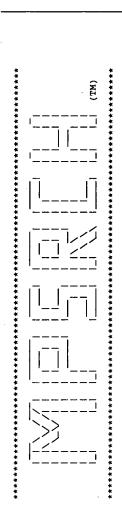


	4	
	STAFF USE ONLY	
Date completed:	Search Site	Vendors
Searcher:	STIC	IG
Terminal time:	CM-1	STN
Elapsed time:	Pre-S	Dialog
CPU time:	Type of Search	APS
Total time:	N.A. Sequence	Geninfo
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PTO-1590 (9-90)

077



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- n.a. database search, using Smith-Waterman algorithm n.a. MPsrch_nn Fri Nov 13 22:12:04 1998; MasPar time 1501.65 Seconds 1522.943 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-9 (1-1119) from USO8887977.seq 1119 Description: Perfect Score: N.A. Sequence: Title:

......AGAAAGCTGAGTCTCCCTAA 1119 1 ATGTTTTCGACTCCAGTGAA. TACAAAAGCTGAGGTCACTT.

Dbase 0; Query 0 TABLE default Gap 6 ٠. Scoring table: STD Nmatch

552174 seqs, 1021863385 bases x 2 Searched:

Post-processing:

Minimum Match 0% Listing first 45 summaries

emb155 Database:

1:em_ba_2:em_htg_3:em_hum1_4:em_hum2_5:em_in_6:em_om_7:em_or_8:em_ov_9:em_pat_10:em_pl_11:em_ro_genbank107 Database:

12:9b ba 13:9b htg 14:9b in 15:9b om 16:9b ov 17:9b pat 18:9b ph 19:9b pl 20:9b pr1 21:9b pr2 22:9b ro 23:9b st 24:9b sts 25:9b sy 26:9b un 27:9b v1

Mean 10.987; Variance 4.759; scale 2.308 Statistics: Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

4		*					
NO.	Score	Match	Match Length DB	DB	di.	Description	Pred. No.
1	1104	98.7	1255	21	HSCKRL3	H.sapiens G protein-co	0.00e+00
7	1104	98.7	3693	21	HSU45984	Homo sapiens CCR6 chem	0.00e+00
٣	1100	98.3	1518	21	HSU68032	Human G protein-couple	0.00e+00
4	1100	98.3	2978	21	HSU68030	Human G protein-couple	0.00e+00
5	1070	92.6	1137	20	HSU60000	Human ILB-related rece	0.00e+00
9	530	47.4	1302	22	AB009369	Mus musculus mRNA for	0.00e+00
7	75	6.7	1500	20	HSDNABLR2	H.sapiens BLR2 gene.	1.42e-39
∞	75	6.7	2139	20	HUMEBI1CDN	Human G protein-couple	1.42e-39
σ	75	6.7	2154	20	HUMGPCRA	Human Epstein-Barr vir	1.42e-39
10	75	6.7	2215	20	HUMEBI103	Human G protein-couple	1.42e-39
c 11	75	6.7	133801	21	AC004585	Homo sapiens chromosom	1.42e-39
12	64	5.7	2577	20	HSU45982	Human G protein-couple	3.27e-30
13	19	5.5	1495	20	HUMCCCKR1A	Human C-C chemokine re	1.04e-27
14	61	5.5	1609	17	E13385	cDNA encoding human MI	1.04e-27
15	62	5.5	2072	22	MUSEBI1CDN	Mouse G protein-couple	1.54e-28

CDS

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IICLVVWGLSVIISSSTFFVFNQKXNTQGSDVCEPKYQIVSEPIRWKLLMLGLELLFGF

HUMRANTES Homo sapiens macrophag 1.04e-27 HUMRANTES Human mRNA for HM145. HUMRANTES Human mRNA for HM145. HUMRANTES Human mRNA for HM145. MACCRIS MAS musculus mRNA enco 4.72e-26 MAS musculus lcr-1 gen 4.72e-26 MAS musculus fusin (CX 4.72e-26 MAS musculus fusin (CX 4.72e-26 MAS musculus fusin (CX 4.72e-26 MAS musculus carpio mas 3.14e-25 Sequence 14 from paten 3.14e-25 Cytclagus cuniculus 2.08e-24 MASIGREC M.musculus mRNA for le 2.08e-24 AB010713 MASCACA mulatta chemoki 2.08e-24 AB010713 Bos taurus interleukin 2.08e-24 AB010803 MASIGRES M.musculus gene encodi 2.08e-24 MAGCRESTROM M.musculus gene encodi 2.08e-24 HSU51947 Mouse mRNA for murine 2.08e-24 HSU51947 Human cosinophil cotax 8.88e-23 HSU51241 MACCACA mulatta CCR-3 g 3.68e-21 E13909 Chaman most monocyte chemokt 1.47e-19 HSU03802 Human monocyte chemokt 1.47e-19 HSU03802 Human monocyte chemoat 1.47e-19	ALIGNMENTS 1255 bp DNA PRI 13-NOV-1996 "Coupled Receptor CKR-L3." "Coupled Receptor CKR-L3." "Ens mitochondrial eukaryotes; Metazoa; Chordata; Homo. "I to 1255) "A. To 1255) "A. To 1255) "A. Danission "I to 1255) "A. Varona, R., Gutierrez, J., Lind, P. and Marquez, G. Cloning and RNA expression of two new human chemokine like genes Biophys. Res. Commun. 227 (3), 846-853 (1996) Location/Qualifiers "Organisma" Homo sapiens" "Ab xiref" "taxon:9606" "Chromosome" "G.
2156 2156 2214 2214 2214 2218 2218 2218 222 1023 222 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 1036 221 231 231 231 231 231 231 231 231 231	HISCKRL3 1255 bp DNA H.sapiens G protein-coupled 279784 g1668737 G Protein-coupled Receptor C human. Homo sapiens Eukaryotae; mitochondrial eu Vertebrata; Eutheria; Primat L (bases 1 to 1255) Gutierrez, J., Varona, R., Zab unpublished Upublished C (bases 1 to 1255) Zaballos, A. Direct Submission Direct Submission Siphinithed (03-SEP-1996) Ange Submitted (03-SEP-
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GKMNRSCOSEKLIGYTKTVTBVLAFLHCCLNPVLYAFIGGKFRNYFLKILKDLWCVRR
KYKSSGFSCAGRISRQTETADNDNASSFTM"
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                                                                Length 1255
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                                                              Score 1104; DB 21;
Pred. No. 0.00e+00;
0; Mismatches 4;
                                                              Query Match 98.7%;
Best Local Similarity 99.6%;
Matches 1114; Conservative
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SRLEVPIAISLICVEGLLGNILVVITFAFYKKARSMTDVYLLNAAIADLIEVLTEFW
AVSHATGAWFSNATCKLLKGIYAINFNCGMLLITCISMDRYTAIVOATKSFRLESRT
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3113. .3118
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Homo sapiens CCR6 chemokine receptor (CMKBR6) gene, complete cds.
U45984
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MD 20892-4090, USA
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Vertebrata; Mammalla; Eutheria; Primates; Catarrhini; Hominidae;
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                   2 (bases 1 to 3693)
Lautens,L.L., Modi,W. and Bonner,T.I.
Cloning, Tissue Distribution and Chromosomal Localization
potential G-Protein-Linked Receptor
Unpublished
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Hieshima, K., Nomiyama, H. and Yoshie, O.
Identification of CCR6, the specific receptor
Jymphocyte-directed CC chemokine LARC
1. Bloi. Chem. 272 (23), 14893-14898 (1997)
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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Submitted (16-JAN-1996) Tom I.
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           316. ATTCTGAGATGTTACTGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTTGTAC
                                                                                   376 CGA-TTGCCTACTCCTTGATCTGTGTCTTTGGCCTCCTGGGGAATATTCTGGTGGTGATC
                                                                                                                               435 ACCITIGCITITIATAAGAAGGCCAGGICIATGACAGACGICIAICITIGAACAIGGCC
                                                                                                                                         ATTGCAGACATCCTCTTTGTTCTTACTCTCCCATTCTGGGCAGTGAGTCATGCCACTGGT
                                                                                                                                                                                   GCGTGGGTTTTCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTT
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Submitted (26-AUG-1996) NIAID/Bldg10/Rm11N-228, NIH, 9000 Rockville Pike, Bethesda, MD 20892, USA Location/Qualifiers
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/db_xref="PID:91870669"
/tanslation="MSGESMNFSDYFDSSEDYFVSVNTSYTSVDSMLLCSLQEVRQF
SRLEYPIATSILCYFGLIGGILILYVITEARYKRARSMTDYYLLMMATADILEYLLPFW
AVSHATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRT
LLPRATICLVWGLSVIISSSTFVFVNTNVRYNGSBVCEPKYGTYSEPIRWKLLMLGLE
LLPGFFIPLMFMIFCYTFIVATLVQAQNSKRHKAIRYITAVLUYFLACQIPHNMYLLV
TAANLGKMNRSQGSELJGYTKTVYDEYLACHCLNPYLYFFIGQKFRNYFLKILKDL
MCVRRKYKSSGFSCAGRYSENISRQTSETADNDNASSFTM"
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Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Eutebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1518)
Liao,F., Lee,H.H. and Farber,J.M.
Cloning of STRL22, a new human gene encoding a G-protein-coupled
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               Human G protein-coupled receptor (STRL22) 91870668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note="Caucasian" r/db_xref="taskan:9606" /db_xref="taxon:9606" /clone_lib="Stratagene # 951202" /chromosome="6"
TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA
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Farber, J.M. and Liao, F.
Direct Submission
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Best Local Similarity 99.4%;
Matches 1112; Conservative
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                          AACTGCGGGATGCTGCTCCTGACTTGCATTAGCATGGACCGGTACATCGCCATTGTACAG
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                CGA-TTGCCTACTCCTTGATCTGTGTCTTTGGCCTCCTGGGGAATATTCTGGTGGTGATC
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06-MAR-1997

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RESULT LOCUS

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/product="G protein-coupled receptor"
/db_xref="PID:g1870666"
/db_xref="PID:g1870666"
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TAAANLGKRNRNGSCGSEKLIGYTRTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKILKDL
WCVRRKXKSGFSCGRKSENISRQTSETADNDNASSFTM"

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                                                                                                                   Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 2978)
Liao,F., Lee,H.H. and Farber,J.M.
Cloning of STRL22, a new human gene encoding a G-protein-coupled receptor related to chemokine receptors and located on chromosome
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Human G protein-coupled receptor (STRL22) mRNA, complete U68030
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/gene="STRL22"
265. 13189
/gene="STRL22"
/note="contains seven transmembrane"
                                                                                                                                                                                                                                                                             Z (bases 1 to 2978)
Farber, J.M. and Liao, F.
Direct Submission
Submitted (23-AUG-1996) NIAID, Bldg. 10, Rm
Rockville Pike, Bethesda, MD 20892, USA
Location/Qualifiers
1. 2978
/organism="Homo sapiens"
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6
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Pred. No. 0.00e+00;
0; Mismatches 6;
                                                                                                                                                                                                                                      Genomics 40 (1), 175-180 (1997)
97224503
                                                                                                                                                                                                                                                                                                                                                                                                                      /db_xref="taxon:9606"
/chromosome="6"
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in the 5'UTR; see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /codon_start=1
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larity 99.4%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                          /map="6q27
                                                                                                           Homo sapiens
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Matches 1112; Conser
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MEDLINE
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/codon_start=1
                                                                                                                       /gene="DRY6"
1. .1137
                                                                                                                                                  /gene="DRY6"
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11 Similarity 98.6%;
1095; Conservative
                                                                                                                                                                                                                                                                                                   263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGGAGGTACTCAGAAAACATTTCTCGGCAGACCAGTGAGACCGCAGATAACGACAATGCG 1371
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGCCTGAACCCTGTGCTCTACGCTTTTATTGGGCAGAAGTTCAGAAACTACTTTCTGAAG
                                                                                                                                                                                                                                 ATGATATTTTGTTACACGTTCATTGTCAAAACCTTGGTGCAAGCTCAGAATTCTAAAAGG
               GCGTGGGTTTTCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTT
                                                                 GTTGTGTGGGGGCTGTCACCATCTCCAGCTCAACTTTTGTCTTCAACCAAAATAC
                                                                                                                                                                                                                                                                        TGGAAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTC
                                                                                                                                                                                                                                                                                   TGCCTGAACCCTGTGCTCTACGCTTTTATTGGGCAGAAGTTCAGAAACTACTTTCTGAAG
GCGTGGGTTTTCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTT
                                                      AACTGCGGGATGCTGCTCCTGACTTGCATTAGCATGGACCGGTACATCGCCATTGTACAG
                                                                                                         GCGACTAAGTCATTCCGGCTCCGGATCCAGAACACTACCGCGCACGAAAATCATCTGCCTT
                                                                                                                                                              GITGIGIGGGGGCTGTCACCATCATCTCCAGCTCAACTTTTGTCTTCAACCAAAATAC
                                                                                                                                                                                                                  AACACCCAAGGCAGCGATGTCTGTGAACCCAAGTACCAGAACTGTCTCGGAGCCCATCAGG
                                                                                                                                                                                                                                                                                                                                                                               CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTGTTTTCTGGCTTGTCAGATTCCT
                                                                                                                                                                                                                                                                                                                                                                                            CATAACATGGTCCTGCTTGTGACGGCTGCTAATTTGGGTAAATGAACCGATCCTGCCAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
1 (bases 1 to 1137)
McCoy,R. and Perlmutter,D.H.
Cloning of novel IL8-related receptors from hepatic tissi
Unpublished
2 (bases 1 to 1137)
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Hmman ILB-related receptor (DRY6)
UGOOOOO 91515434
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AUTHORS
TITLE
JOURNAL
REFERENCE
AUTHORS
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1081

RESULT

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/product="118-related receptor"
/db_xref="PID:g115435"
/db_xref="PID:g115435"
/db_xref="PID:g115435"
/db_xref="PID:g115435"
/db_xref="PID:g115435"
/db_xref="BID:g115435"
/db_xref="BID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CGA-TIGCCTACTCCTIGATCTGTGTCTTTGCCCTCCTGGGGAATAITCTGGTGGTGATC
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Pred. No. 0.00e+00;
0; Mismatches 13; Indels 2;
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/db_xref="PID: d1024681"
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/translation="Maynexprediction of the couple of th
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Submitted (O.1 DEC 1997) to the DDBJ/RMBL/GenBank databases.
Submitted (O.1 DEC 1997) to the DDBJ/RMBL/GenBank databases.
Shigebiro Yanagihara, Kirin Brewery Co., Ltd., Pharmaceutical
Research Laboratory; 3.Miyahara-cho, Takasaki, Gunma 370-12, Japan
(E-mall:syanagihara@kirin.co.jp, Tel:81-273-46-9826)
1. 1302
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1 (Dases 1 to 1302).
Yanagihara, S., Komura, E. and Yamaguchi, Y.
Mouse of protein-coupled receptor KY411.
Published Only in DataBase (1997) in press
2 (Dases 1 to 1302).
                                                                                                                                          CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTGTTTCTGGCTTGTCAATCCT
                                                                                           CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTTTTTTGTGGCTTGTGTTCCT
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/db_xref="taxon:10090"
147. .1250
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Query Match 47.4%;
Best Local Similarity 76.9%;
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Burgstahler, R., Kempkes, B., Steube, K. and Lipp, M.
Expression of the chemokine receptor Buzz/EBII is specifically transactivated by Epstein-Barr virus nuclear antigen 2
Biochem. Biophys. Res. Commun. 215 (2), 737-743 (1995)
                                                                                                                                                                                                                                                                                                                                                    Direct Submission
Direct Submission
Submitted (10-FEB-1995) M. Lipp, Max-Delbrueck-Centrum fuer
Mol.Medizin, Robert-Roessle-Strasse 10, 13122 Berlin-Buch, FRG
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                             /organism-"Homo sapiens"
/db_xref="taxon:9606"
/cell_line="Burkitt lymphoma BL64"
/clone_lib="lambda EMBL3a (BL64, genomic)"
/clone="P6, P15"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1500;
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457 c 363 g 356 t
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Pred. No. 1.42e-39;
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blr2 gene; Burkitt's lymphoma receptor
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375. 405
/note="8plice acceptor site"
404. .>1500
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404. .1480
/gene="BLR2"
<404. .1480
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/gene="BLR2"
                                                                                          1500 bp
BLR2 gene.
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Local Similarity 63.7%;
nes 221; Conservative
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/number=1
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H.sapiens F
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/product="G protein-coupled receptor"
/db_xref="PlD:9468320"
/translation="MDLGAFRISULVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLF
ESLCSRUNGNRERAMTELPINYS ICFVGLLGNGLVVLTYIYFRELKTWTDTYLLNLAV
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AVSAHRHRANVLLISKLSCVGINILAMSFCXLVIIFTLYGARKSSEQMANCSLITHVE
AFIITLQVAQWYIGFLYPLLAMSFCXLVIIRTLLQARNFERNKAIKYIAVVVYFIVFO
LPYNGVVLAQTVANFNIITSSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGGVKFR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="This sequence was obtained by RACE-PCR, appended to cDNA clone."
                                                                                                                                                                                                                                                                                            Eukaryotae: mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 2139)
Schwelckart, V.L., Raport, C.J., Godiska, R., Byers, M.G., Eddy, R.L. Jr., Shows, T.B. and Gray, P.W.
Cloning of human and mouse EBII, a lymphoid-specific G-protein-coupled receptor encoded on human chromosome 17q12-q21.2 Genomics 23 (3), 643-650 (1994)
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                                                                                                                      HUMEBLICON 2139 bp mRNA PRI 10-AUG-1999
Human G protein-coupled receptor (EBI 1) mRNA, complete cds.
L31581
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Score 75; DB 20; Le
Pred. No. 1.42e-39;
0; Mismatches 122;
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1. .2139
/organism="Homo sapiens"
.db_xref="taxon:9606"
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G protein-coupled receptor.
Homo sapiens Blood cDNA to mRNA.
Homo sapiens
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/map="17q12-21.2"
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'gene="EBI 1"
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larity 63.7%;
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ESLCSKKDVRNFKAWFLPIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLNLAV
ADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQ
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AFITIQVAQMVIGFLVPLLAMSFCYLVIIRTLLQARNFERNKAIRVIIAVVVVFIVFQ
LPYNGVVLAQTVANFNIISSFCELSKQLNIAXDVTYSLACVRCCVNPFLYAFIGVKFR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /cell_type="B lymphocyte, EBV-converted Burkitt lymphoma"
/germline
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                                                                                                                                                                          2154 bp mRNA receptor mRNA.
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                                                        316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
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Blikenbach,M., Josefsen,K., Yalamanchili,R., Lenoir,G. and K Epstein-Barr virus-induced genes: first lymphocyte-specific protein-coupled peptide receptors
J Virol. 67 (4), 2209-2220 (1993)
                                                                                                                                                                                                                                                     Epstein-Barr virus induced gene; G-protein coupled receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /gene="EB1 1"
/product="EBV induced G-protein coupled receptor"
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Pred. No. 1.42e-39;
0; Mismatches 122; Indels 4
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/db_xref="taxon:9606"
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1. .2154
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64. .135
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64. .1200
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Best Local Similarity 63.7%;
Matches 221; Conservative
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/product-"G protein-coupled receptor"
/db_xref="PID:g468316"
/db_xref="PID:g468316"
/translation="MDLGKPMKSVLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLF
ESLCSKKDVRNFKAWFLPINYSIICFVGLLGNGLVVLTYIYFKRLKTWTDTYLLNLAV
ADILELILEFWAYSAARSWVFGVHFCKLIFAIYKMSFFSGMLLLCIGIDRYVANV)
AVSAHRHRARVLLISKLSCVGIWILATVLSIPELLYSDLQRSSSEQAMRCSLITEHVE
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Schweickart, V.L., Raport, C.J., Godiska, R., Byers, M.G., Eddy, R.L. Schweickart, Y.L., Raport, C.J., Godiska, R., Byers, M.G., Eddy, R.L. Cloning of human and mouse EBII, a lymphoid-specific G-protein-coupled receptor encoded on human chromosome 17q12-q21.2 Genomics 23 (3), 643-650 (1994)
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LPYNGVVLAQTVANFNIISSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFR
                                                                                                                                                                                                                                                                                                                                                                                      Human G protein-coupled receptor (EBI 1) gene exon 3, complete cds. 131584 L31539
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              367 AAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACCTGGCGGTGGCAGACATCCTC 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /tissue_type="placenta"
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                              TTCCTCCTGACCCTTCCCTTCTGGGCCTACAGCGCGGCCAA--GTCC-TGGGTCTTCGGT
                                                                                                             GTCCACTTTTGCAAGCTCATCTTTGCCATCTACAAGATGAGCTTCTTCAGTGGCATGCTC
                                                                                                                                                                    316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (tissue library: Statagene #946205) placenta
Homo sapiens
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Pred. No. 1.42e-39;
0; Mismatches 122; Indels
                                                                                                                                                                                                                          CTACTICITIGATCAGGATIGACCGCTACGTGGCCATCGTCCAGGC 545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    order(L31583:271. .305,1. .168)

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a 665 c 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /gene="EBI 1"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 6.7%;
Best Local Similarity 63.7%;
Matches 221; Conservative
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ACCESSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE AUTHORS TITLE JOURNAL REFERENCE AUTHORS

TITLE JOURNAL

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COMMENT

FEATURES

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   omplement(12270. .12488)
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ement()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    family="Alusx" ement(A)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           omplement(6109. .6436)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            omplement(3868. .3977)
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complement(206. .510)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              omplement(10988.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rpt_family="MIR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            complement (12614.
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                                                                                                                                                   chromosome="17"
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rpt_family=
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Lander, E., Allen, N., Baker, J., Baldwin, J., Barna, N., Beckerly, R.,
Bann, J., Boatin, C., Boutwell, C., Brown, A., Byrne, S., Cantu, C.,
Castle, A., Cerny, J., Cooke, P., Daly, M. J., Depayre, E., Devon, K.,
Dewar, K., Donelan, L., Durette, B., Etemadi, S., Ferreira, P.,
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Hagos, B., Harris, K., Horton, L., Howland, J.C., Hui, L., Jacotot, L.,
Kann, L., Linton, L., Macdonald, P., Marquis, N., McEwan, P., McGurk, A.,
Nachman, A., Nahl, R., Naylor, J., O'Connor, T., Pavlln, B.,
Peterson, K., Riley, R., Roberts, D., Rollins, G., Rossello, R., Roy, A.,
Shyan, R., Stange-Thomann, N., Stilwell, J., Stone, C., Strickland, C.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S Birren, B., Fasman, K., Linton, L., Nusbaum, C., Lander, E., Allen, N., Baker, J., Baldwin, J., Barna, N., Beckerly, R., Benn, J., Boatin, C., Brown, A., Castle, A., Cerny, J., Cooke, P., Depayre, E., Devon, K., Dewar, K., Donelan, L., Etemadi, S., Ferreira, P., FitzHugh, W., Forrest, C., Funke, R., Gage, D., Gardyna, S., Gensheimer, S., Geraigery, K., Gilmartin, T., Grant, G., Hagos, B., Haris, K., Horton, L., Howland, J.C., Hui, L., Jacott, L., Kann, L., Macdonald, P., Marquis, N., McEwan, P., McGurk, A., McKernan, R., Machman, A., Nahis, M., Morris, W., Morrow, J., Mychaleckyj, J., Nachman, A., Naylor, J., O'Connor, T., Pavlin, B., Stange-Thomann, N., Stilwell, J., Stojanovic, N., Stone, C., Strickland, C., Subramanian, A., Torruella Miller, I., Vassiliev, H., Vol, A., Wagner, A., Wang, B., Wheeler, J., Wu, Y., Ye, W. J., Zhao, J. and
                                                                                                                                                                                                                                                                                                                                                                                                                       AC004585 133801 bp DNA PRI 12-JUN-1998
HOMO sapiens chromosome 17, clone hRPC.1028_K_7, complete sequence.
AC004585
93312882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted (17-APR-1998) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (12-JUN-1998) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997)
484 GICCACTITIGCAAGCICAICITIGCCATCIACAAGAIGAGCIICITCAGIGGCAIGCIC 543
                                                                                                                          256 TITGTTCTTACTCTCCCATTCTGGGCAGTGAGTCATGCCACTGGTGCGTGGGGTTTTCAGC 315
                                                                                                                                                                                                                        316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota: Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases I to 133801) Blirren, B., Fasman, K., Linton, L., Nusbaum, C. and Lander, E. Homo sapiens chromosome 17, clone hRPC.1028_K.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Subramanian, A., Sydney, K., Tang, L., Torruella-Miller, I., Yassiliev, H., Vo, A., Wagner, A., Wang, B., Wheeler, J., Wu, Y., Ye, W.J., Zhao, J. and Zody, M.
Direct Submission
                                                                            TICCICCIGACCCIICCCTICIGGGCCIACAGCGCGCCCAA--GICC-IGGGICIICGGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              http://ftp.genome.washington.edu/RM/RepeatMasker.html
    Location/Qualifiers
                                                                                                                                                                                                                                                                                               544 CTACTICITICCATCAGCATIGACCGCTACGIGGCCAICGICCAGGC 590
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
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/rpt_family="MLTIC"
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complement(35345. .35
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2217. .32510
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/rpt_family-"(CA)n"
29619. . 29790
/rpt_family-"MIR"
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/rpt_family="AluSq"
32970. 33089
/rpt_family="MIR"
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family-"MLT1C"
                                                                                                                                                                                                                                                                                         family="AluSx"
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2632. .32920
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complement(22080.
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'rpt_family-"MIR"
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/rpt_family="MIR"
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rpt_family="MIR"
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2815. .22872
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Note: remainder of annotations omitted.

/translation="Maddygsestssmedyvnenptdfyceknnyrgfashelpplyw
LVFIVGALGNSLVILVYWYCTRVKTWTDMFLLNLAIAALLELVTLPFWAIAAADQWKF
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ACCTITITHTLQAKSSKHRALKVTTYVLTVFVYSGPFYNCILLYQTIDAYAHFISN
CAVSTNIDICRQYTQTIAFFHSCLNPVLYVFVGERFRRDLYKTLKNLGCISQAQWVSF
TRREGSLKLSSMLLETTSGALSL" Direct Submission
Submitted (16-JAN-1996) Tom I. Bonner, Lab of Cell Biology, NIMH,
Bldg 36, Rm 3A-17, MSC 4090, Bethesda, MD 20892-4090, USA
Location/Qualifiers
1. .2577 50249 GCCIGGACGATGGCCACGTAGCGGTCAATGCTGAAGAAGAAGTAGGAGCATGCCACTG 50308 GTCAACACGACCAGCCCATTGCCCAGTAGGCCCCACGAAACAAATGATGGAGAACATGATA 50545 50309 AAGAAGCICAICIIGIAGAIGGCAAAGAIGAGCIIGCAAAAGIGGACACCGAAGACCCCAG 50368 Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Eukaryotae; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 2577)
Lautens, L.L., Tiffany, H.L., Gao, J.-L., Modi, W., Murphy, P.M. and 362 TTAAAGTTGATGGCATAGATGCCTTTTAGCAACTTGCACGTGGCATTGCTGAAAACCCAC 303 302 GCACCAGTGGCATGACTCACTGCCCAGAATGGGAGAGTAAGAACAAAGAGGATGTCTGCA 243 182 GTGATCACCACCAGAATATTCCCCAGGAGCCCAAGAACACACAGAGTCAAGGAGTAGGCAATT 123 Bonner, T.I.
Cloning, Tissue Distribution and Chromosomal Localization of potential G-Protein-Linked Chemokine Receptors Unpublished HSU45982 2577 bp DNA PRI 02-APR-199 Human G protein-coupled receptor GPR-9-6 gene, complete cds. 045982 422 GCCTGTACAATGGCGATGTACCGGTCCATGCTAATGCAAGTCAGGAGCAGCAGCATCCCGCAG 50369 G-ACTTG-GCCGCG-CTGTAGGCCCAGAAGGGAAGGGGCGCAGGAAGAGGATGTCTGCC 50426 ACCGCCAGGTTGAGCAGGTAGGTATCGGTCATGGTCTTGAGCCTCTTGAAATAGATATAG 4 Length 133801; 50546 GGGAGGAACCAGGCTTTA-AAGTTCCGCACGTCCTTCTTGGAGCACA 50591 Score 75; DB 21; Length 133 Pred. No. 1.42e-39; 0; Mismatches 122; Indels 122 CGGTACAAATAGCCTGGAGAACTGCCTGACCTCCTCGCAAGGAGCACA 76 /note="G protein-coupled receptor" /organism="Homo sapiens" /db_xref="taxon:9606" /product="GPR-9-6" /db_xref="PID:91245055" /map="3p21.3-22" 58. .1131 /chromosome="3 /codon_start=1 Query Match 6.7%; Best Local Similarity 63.7%; Matches 221; Conservative (bases 1 to 2577) 613 c ಥ g1245054 Bonner, T 628 human, 12 LOCUS DEFINITION ORGANISM BASE COUNT JOURNAL REFERENCE 50486 ACCESSION REFERENCE AUTHORS AUTHORS JOURNAL KEYWORDS SOURCE FEATURES CDS TITLE TITLE RESULT ORIGIN 셤 ď g Сp 셤 Q g S g G, გ ç

Query Match

Length 2577; DB 20; Score 64; 5.78;

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strandedness: Double;
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hypothetical: No;
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l Similarity 60.4%;
177; Conservative
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JOURNAL
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/db_xref="PID:g179985"
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               ö
                                                                                                                                                        331 TIGCTAAAAGGCATCTATGCCATCAACTITAACTGCGGGATGCTGCTCCTGACTTGCAIT 390
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                                                              211 ATGACAGACGICTATCTCTTGAACATGGCCATTGCAGACATCCTCTTTGTTCTTACTCTC 270
                                                                                       CCCTTCTGGGCCATT-G-C-TGCTGCTGACCAGTGGAAGTTCCAGACCTTCATGTGCAAG 381
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Neote,K., DiGregorio,D., Mak,J.Y., Horuk,R. and Schall,T.J. Molecular cloning, functional expression, and signaling characteristics of a C-C chemokine receptor close (cell 72 (3), 415-425 (1993)
                                                                                                                                                                                                           382 GTGGTCAACAGCATGTACAAGATGAACTTCTACAGCTGTGTGTTGCTGATCATGTGCATC
                                                                                                                                                                                                                                                                                                562 ATCCCAGAAATCTTATACAGCCAAATCAAGGAGGAATCCGGCATTGCTATCTGCACCATG
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              Indels
Pred. No. 3.27e-30;
0; Mismatches 235;
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1. 1068
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Homo sapiens
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 58.28;
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AILASWFGLYFSKTOWFFIFTILLTIDRYLAIVHAVFALKINLFGLYLFDLLVMIIC
YTGIIKILLRRPNEKKSRAVRLIFVIMIIFFLFWTPYNLTILISVFODFLFTHECEQS
RHLDLAVOTBVITAKTGCVNVYYTAFVGERFFKYLRQLFHRRVAVHLVKWLPFLSVD
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JP 1997176048-A/1
08-101-1997
28-DEC-1995 JP 1995342130
HONDA SUSUMU, FUJISAWA TOMOYUKI
A61K45/00, A61K45/00, A61K45/00, A61K45/00, A61K45/00,
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Pred. No. 1.04e-27;
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/cell_line='U937'
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Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1609)
Honda, S. and Fujisawa, T. .
PRODUCTION OF HUMAN MIP-1ALPHA/PANTES
PATEDIT: JP 1997176048-A 1 08-JUL-1997;
TAKEDA CHEM IND LIP
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Search completed: Fri Nov 13 23:15:55 1998 Job time : 3831 secs.
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Schweickart, V.L., Raport, C.J., Godiska, R., Byers, M.G., Eddy, R.L.
Jr., Shows, T.B. and Gray, P.W.
Cloning of human and mouse EBI1, a lymphoid-specific
G-protein-coupled receptor encoded on human chromosome 17q12-q21.2
Genomics 23 (3), 643-650 (1994)
/clone='pCCR'
115. .1182
/product='human MIP-1 alpha /RANTES receptor'
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Vertebrata; Eutheria; Rodentia; Sciurognathi; Myomorpha; Muridae;
                                                                                                                                                                                                                                                                                                                    130 TACTCCTTGATCTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT 189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MUSEBLICDN 2072 bp mRNA ROD 10-AUG-1995
Mouse G protein-coupled receptor (EBI 1) mRNA, complete cds.
L31580 L31501
                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            G protein-coupled receptor.
Mus musculus (strain B6/CBAF1J) (library: Stratagene #935303)
female 6-8 weeks thymus cDNA to mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                355 CIGCICITCCIGITCACGCIICCCTICTGGAICGACIACAAGITGAAGGAIGACIGGGII
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                                                                                                                                                                                                              Score 61; DB 17; Length 160
Pred. No. 1.04e-27;
0; Mismatches 116; Indels
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/tissue_lib="Stratagene #935303"
                                                                                                                                                              422

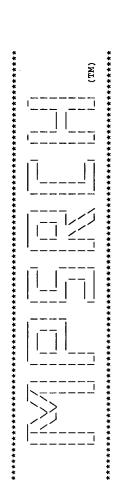
    1609
    /organism="Homo sapiens"
    /db_xref="taxon:9606"
    416 c 385 g 422

                                                    R 1. .114
R 1183. .1609.
Location/Qualifiers
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/organism="Mus musculus"
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/db_xref="taxon:10090"
/dev_stage="6-8 weeks"
/sex="female"
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Best Local Similarity 60.4%;
Matches 177; Conservative
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                                                                                       FEATURES
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SOURCE

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/db_xref="PID:g468341"
//tb_xref="PID:g468341"
//tbanslation="mdpgfprrnunuvallvifqucfqdbgvtddyiggenttvdytly
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ADILFILLIPFWAYSEAKSWIFGVYLCKGIFGIYKLSFFSGMLLLLCISIDRYVAIVQ
                                                                                                                      AVSRHRHRARVLLISKLSCVGIWMLALFLSIPELLYSGLOKNSGEDTLRCSLVSAQVË
ALTIQVOROWFGFLVPRLAMSFCZILIIRTLLOARNEFRNAIKVIIAVVVVFIVFO
LPYNOVVLAOTVARNITNSSCETSKOLNIAXDVTYSLASVRCCVNPFLYAFIGVKFR
SDLFKLFKDLGCLSQERLRHWSSCRHVRNASVSMBAETTTTFSP
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Pred. No. 1.54e-28;
0; Mismatches 105; Indels
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2072
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Best Local Similarity 63.1%;
Matches 185; Conservative
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유 ö 셤 ò g ö 셤 ö g ò US-08-887-977-9.rng



Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

 n.a. database search, using Smith-Waterman algorithm n.a. MPsrch_nn Sat Nov 14 00:17:57 1998; MasPar time 167.79 Seconds 907.323 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-9 (1-1119) from US08887977.seq 1119 Perfect Score: N.A. Sequence: Comp: Description:

1 ATGITITCGACTCCAGTGAA......AGAAAGCTGAGTCTCCCTAA 1119
TACAAAAGCTGAGGTCACTT.....TCTTTCGACTCAGAGGGATT

TABLE default Gap 6 Scoring table:

Dbase 0; Query 0 STD : Nmatch

188442 seqs, 68026449 bases Searched:

×

Post-processing:

Minimum Match 0% Listing first 45 summaries

n-geneseq32 Database:

| Spart | 2.part | 3.part | 4.part | 5.part | 5.part | 7.part | 7.part | 2.part | 2.part | 2.part | 2.part | 2.part | 2.part | 1.part | 1.

Mean 9.061; Variance 4.959; scale 1.827 Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

			Pred. No.	0.00e+00	3.74e-34	3.74e-34	3.74e-34	3.74e-34	1.99e-24	1.99e-24	1.99e-24	4.11e-25	1.05e-21	1.05e-21	2.33e-20	2.33e-20
			Description	Human dendritic cell	Partial coding sequen	Putative seven transm	Epstein Barr virus in	Putative seven transm	Human MIP-lalpha/RANT	C-C chemokine recepto	Human MIP-1 alpha/RAN	Seven transmembrane r	Recombinant high affi	Sequence encoding a h	Human CCKR3 chemokine	CC-chemokine receptor
SUMMARIES			ΩI	V15418	966162	066153	064125	066160	T86154	062695	T90384	066164	099949	030011	T79096	T31336
			图	40	11	11	11	11	33	11	34	1	11	Ŋ	36	23
		Query	Length	1119	1900	2058	2154	2160	1065	1495	2156	2751	1200	1200	1071	1116
	фP	Query	Match	99.9	6.7	6.7	6.7	6.7	5.5	5.5	5.5	5.5	5.1	5.1	4.9	4.9
			Score	1118	75	75	75	75	61	61	61	62	57	57	52	52
		Result	20 1	7	7	e	4	5	9	7	ω	6	10	11	12	13

2.33e-20	.33e-2	.33e-2	.33e-2	.33e-2	.09e-	.09e-1	.09e-1	.28e-1	.28e-1	.28e-1	.28e-1	.28e-1	7	.03e-1	e-1	.08e-1	.22e-1	.22e-1	.22e-1	90	.77e-1	.77e-1	7e-1	77e-1	.77e-1	.31e-1	.41e-1	.41e-1	95e-1	.95e-1	.48e-0
emokine recepto	Human C-C chemokine r	CC-chemokine receptor	a	Human eosinophil eota	O	Human monocyte chemoa	Human monocyte chemoa	t ⁻ high a	high aff	eceptor		Interleukin-8 recepto	۵	Seven transmembrane r	ø	Sequence encoding a 1	encoding a	-8 receptor	a 8 recept	G-protein	Recombinant high affi	Seven transmembrane r	귺	New platelet factor 4		വ	le somatost	~	chemoki		e receptor
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1193	3	68	91	8	8	97	23	17	37	9	88	93	93	16	25	37	ដ	51	74	58	0	31	73	73	m	0	•	σ	1059	8	-
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55	22	22	22	22	51	21	21	49	49	49	49	49	49	48	48	46	45	45	45	44	43	43	43	43	43	41	40	40	39	39	38
																				. 34									43		45

ALIGNMENTS

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Novel chemokines, e.g. thymus expressed chemokine - used for treating inflammatory conditions including asthma.

Claim 5; Rage 92-94; 202pp; English.

The present sequence encodes a human dendritic cell chemokine receptor. Antibodies which bind to the protein can be used in detecting or diagnosing various immunological conditions related to expression of the protein. The nucleic acid can be used for screening and isolating DNA clones for the chemokines, especially from other species. The chemokine can be used in the treatment of conditions associated with abnormal physiology or development, including
                                                                                                                                                                                                                                             /*tag= b
/note= "encodes His or Gln, but is stated as Gln in
the protein (shown in W48086)"
                                                           11-JUN-1998 (first entry)
Human dendritic cell chemokine receptor encoding cDNA.
Human; thymus expressed chemokine; TECK; MIP-3alpha; MIP-3beta; receptor; dendritic cell; macrophage; inflammation; asthma; ss.
                                                                                                                                                                           /product= "DC CR"
/note= "dendritic cell chemokine receptor"
577.579
                                                                                                                                                                                                                                                                                                          15-JAN-1998.

02-JUL-1997; U10819.

04-JUN-1996; US-048593.

05-JUL-1996; US-675814.

11-OCT-1996; US-028329.

(SCHE ) SCHERING CORP.

GISH KC, SCHAIL TJ, Vicari A, Wang W, Zlotnik A;

WPI: 98-101054/09.
                                                                                                                                            Location/Qualifiers
1..1098
/*tag= a
LT 1
VI5418 standard; cDNA; 1119 BP.
VI5418;
                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                 unsure
                RESULT
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US-08-887-977-9.rng

a Page

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17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
GOGISKA R, GRAY PW, SCHWEICKART VL;
WPI: 94-200264/24.
                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                     Match 6.7%;
Local Similarity 63.7%;
Les 221; Conservative
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/*tag= a
169..1245
/*tag= b
1246..1900
/*tag= d
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17-NOV-1993; U11153
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                                                                                          61 ATTCTGAGATGTTACTGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTTGTAC
                                                                                                                                    GCGTGGGTTTTCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTT
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                      Length 1119
       332
                                   1; Indels
       ΰ
                    Score 1118; DB 40;
Pred. No. 0.00e+00;
       257
                                   0; Mismatches
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inflammatory conditions such as asthma Sequence 1119 BP; 261 A; 268 C;
       268
      261 A;
                    tery Match 99.9%;
st Local Similarity 99.9%;
tches 1118; Conservative
       Sequence
                     Query Match
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Example 3; Page 54-56; 100pp; English.

Two primers (066148, 066149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated after the intial amplification reation and probed with sequences of the intial amplification reaction and probed with sequences of specific for seven transmembrane receptors ILBR1, AT2R and R20.

Clones which did not hybridise were then chosen for sequence analysis. Three new clones were then chosen for sequence of encode seven transmembrane receptor segments. Two more primers (Q66151, 066152), were used to isolate a full length version of one of these clones designated V31 (See Q66153). This is the sequence of exon 3 of the V31 genomic clone (along with partial intron sequences) and is the final exon of the clone. The TAG stop codon is found at costione 1900 BP; 431 A; 594 C; 458 G; 417 T;
ATCTTGAAGGACCTGTGGTGTGTGAGAAGGAAGTACAAGTCCTCAGGCTTCTCCTGTGCC 1020
                                                                                                                                               GGGAGGTACTCAGAAACATTTCTCGGCAGACCAGTGAGACCGCAGATAACGACAATGCG 1080
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                                                                                                                                                                                                                                                                                                                                                                                                                   Offics standard; DNA; 1900 BP.

Offics;
02-FEB-1995 (first entry)
Partial coding sequence of seven transmembrane receptor (V31).
Primer; seven transmembrane receptor; receptor; amplification; PCR; Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTTGTACCGAATTGCCTACTCC
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                                                                           gggaggtactcagaaaacatttctcggcagaccagtgagaccgcagataacgacaatgcg
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Pred. No. 3.74e-34;
0; Mismatches 122; Indels 4
                                                                                                                                                                                                                               tcgtccttcactatgtgatagaaagctgagtctccctaa 1119
                                                                                                                                                                                                                                                                                                   TCGTCCTTCACTATGTGATAGAAGCTGAGTCTCCCTAA 1119
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P-PSDB; RS4079.

The p-PSDB; RS4079.

The coding for Epstein Barr Virus induced (EBI) polypeptide(s)

The coding for Epstein Barr Virus induced (EBI) polypeptide(s)

The darkibodies to EBII. 2 and 3 - useful for detecting EBV by and antibodies to EBII.

Thybridisation or by immunoassay

Claim 2; Page 52-54; 84pp; Emglish.

EBV infected B lymphocytes recapitulate features of antigen stimulation in enlarging, increasing RNA synthesis, expressing activation antigens and adhesion molecules, secreting Ig and proliferating. Unlike antigen stimulated B lymphocytes, EBV infected B lymphocytes continue to proliferate (in vitro) as infected B lympholastoid cell lines. Because of the similar effects of EBV and antigen, EBV induced genes are likely to include mediators of antigen induced B lymphocyte growth or differentiation. Sequence 2154 BP; 486 A; 647 C; 543 G; 478 T;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        aagaggeteaagaecatgaeegataeetaeetgeteaaeetggeggtggeagaeateete 381
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                                                                                                                                                                                                                             /*tag= a
/product= Epstein Barr virus induced polypeptide.
                                                 Epstein Barr virus induced (EBI-1) gene.
Epstein Barr virus; EBV; induction; detection; diagnosis; lymphocytes; antigen; growth; differentiation; mediator; infectious mononucleosis; ss.
Homo sapiens.
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                                                                                                                                                                              Location/Qualifiers
64..1200
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                                                                                                                                                                                                                                                                                                                              08-OCT-1993; U09636.
25-NOV-1992; US-980518.
(BGHM ) BRIGHAM & WOMENS HOSPITAL.
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Similarity 63.7%;
                          (first entry)
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Best Local Similarity 63.7%;
Matches 221; Conservative
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/*tag= a
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WPI; 94-200183/24.
                          03-FEB-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA encoding seven trans:membrane receptors - used to develop prods, for use as therapeutic or diagnostic agents for conditions involving the receptors.

Example 2; Page 44-46; 100pp; English.

Example 2; Page 44-46; 100pp; English.

Two primers (Q66148, Q66149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated after the intial amplification reation and probed with sequences specific for seven transmembrane receptors ILBR1, AT2R and R20.

Clones which did not hybridise were then chosen for sequence analysis. Three new clones were then chosen for sequence canalysis. Three new clones were then chosen for sequence canalysis. Three new clones were then they more primers (Q66151, Q66152), were used to isolate a full length version of one of these clones (this sequence) which was designated v31.

Sequence 2058 BP; 472 A; 632 C; 504 G; 448 T;
316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             401 tgtgctccaagaaggacgtgcggaactt-taaagcctggttcctccctatcatgtactcc 459
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                                                                                                                                                                         27 3 (26153) standard; DNA; 2058 BP. (266153) standard; DNA; 2058 BP. (26153) COGING Sequence. (22-FEB-1995 (first entry)
Putative seven transmembrane receptor; receptor; amplification; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4:
                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag= a
/product= V31 putative transmembrane receptor
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                                                                                                376 CICCIGACTIGCATTAGCAIGGACCGGIACAICGCCATIGIACAGGC 422
                                              544 ctacttctttgcatcagcattgaccgctacgtggccatcgtccaggc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-JUN-1994.
17-NOV-1993; U11153.
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
Godiska R, Gray PW, Schweickart VL;
P-PSDB; R53743.
                                                                                                                                                                                                                                                                                                                                                                                Location/Qualiflers
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20-NOV-1997 (first entry)
20-NOV-1997 (first entry)
Human MIP-lalpha/RANTES receptor; osteoporosis; pCCR; digestive ulcer; Human MIP-l alpha/RANTES receptor; osteoporosis; pCCR; digestive ulcer; macrophage inflammatory protein 1 alpha; diabetes; central disease; regulated on activation, normal T cell expressed and secreted; allergy; affinity compound; expression vector; CHO cell; viral disease; inflectious disease; tumour; hyperlipidaemia; hypercholesterolaemia; ss.
                                                                                                                      DNA encoding seven trans:membrane receptors - used to develop prods. for use as therapeutic or diagnostic agents for conditions involving the receptors.

Example 3: Page 49-51; 100pp; English.

A human cDNA encoding the seven transmembrane receptor V31 was isolated by first amplifying a partial cDNA clone from a human tonsil cDNA library using two primers (066154, Q66155). The resulting amplified products were probed using two radioactively labelled sequences (Q66156, Q66157). A hybridising band was isolated from the gel and cloned. The resulting clone was named pV31-5' end (Q66158). A full length cDNA clone was isolated from a peripheral blood mononuclear cell library using V31 specific primers (Q66159, Q66152). Clone PMMC75 was isolated and the V31 cDNA insert in the clone was
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                                                                                                                                                                                                                                                                                                                                                                                           4;
                                                                                                                                                                                                                                                                                                                                 479 T;
                                                                                                                                                                                                                                                                                                                                                           Score 75; DB 11; Length 2160; Pred. No. 3.74e-34;
  /product= Seven transmembrane receptor V31
                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches 122; Indels
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                                                                                                                                                                                                                                                                                                                                 546 G;
                                                                                                                                                                                                                                                                                                                                 645 C;
                                                                                 Godiska R, Gray PW, Schweickart VL;
WPI: 94-200264/24
                                                                                                                                                                                                                                                                                                             designated cDNA V31-B (Q66160).
Sequence 2160 BP; 490 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           T86154 standard; cDNA; 1065 BP
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28-DEC-1995; 342130.
28-DEC-1995; JP-342130.
(TAKE ) TAKEDA CHEM IND LTD.
WPI: 97-399449/37.
P-PSDB; W25751.
                                                                                                                                                                                                                                                                                                                                                           Match 6.7%;
Local Similarity 63.7%;
Les 221; Conservative
                                        17-NOV-1993; U11153.
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
                                                                                                               P-PSDB; R53744
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Claim 6; Page 15; 19pp; Japanese.

This sequence encodes human MIP-1 alpha/RANTES receptor (macrophage inflammatory protein 1 alpha/regulated on activation, normal T cell expressed and secreted). The human MIP-1 alpha/RANTES receptor protein may be used in a method for the screening of human MIP-1 alpha/RANTES receptor protein used to raffinity compounds. The MIP-1 alpha/RANTES receptor coding sequence may be included in an expression vector, preferably pCCR, and used to transform a CHO cell for use in the same method. The receptor protein can provide a preventive and treating agent for viral diseases, infectious diseases, tumours, allergy, diabetes, central diseases, hyperlipidaemia, hypercloaemia, osteoporosis, digestive ulcers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121 tactccttggtatttgtcattggcctggttggaaacatcctggtggtggtcctggtccttgtg 180
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The sequence is that of the C-C chemokine receptor gene which was isolated by PCR from PMA treated HiGO cells using PCR primers whose sequence was designed to correspond to conserved sequences in two transmembrane regions of known cytokine receptors. The sequence can be used in therapeutic or diagnostic compsns. for inflammation and other cytokine mediated disorders.

389 C; 361 G; 397 T;
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WPI; 94-183505/22.
P-PSDB; R52749.
New C-C chemokine receptor and nucleic acid - are used to develop prods. for use in diagnosis and therapy of inflammation and other cytokine-mediated disorders
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treatment of viral diseases, tumours, allergy, diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                         300 T;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            253 G;
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C-C CKR-1; cytokine; inflammation; ds.
Homo sapiens.
W09411504-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            228 A;
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Best Local Similarity 60.4%;
Matches 177; Conservative
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Q62695;
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04-NOV-1993; U10672.
10-NOV-1992; US-974025.
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WPIF 97-392945/36.

R P-PSDB; W26588.

The 1-alpha and RANTES receptor nucleic acid - used to develop

The 1-alpha and RANTES receptor nucleic acid - used to develop

The products for the detection of these cytokine(s) and their receptors,

The products for the detection of these cytokine(s) and their receptors.

This nucleic acid sequence encodes a claimed receptor for macrophage inflammatory protein 1 alpha (MRP-1 alpha) and regulated upon activation normal T expressed and secreted (RANTES) protein. Also claimed are: (1) a subsequence of the nucleic acid, having at least colaimed are: (1) a subsequence of the nucleic acid, having at least colaimed are: (1) a subsequence of the nucleic acid, having at least colaimed are: (1) a subsequence of the nucleic acid, having at least to contiguous nucleotides; (2) a cell transformed or transfected with the nucleic acid; and (3) purified MIP-1 alpha/RANTES receptor

Dolypeptide. The products can be used for detecting the MIP-1

The la/RANTES is useful for monitoring the levels of these cytokines in a patient. Such measurements are useful in following the anti-

Inflammatory effects of drugs and prospective usefulness of new anti-

The product of the product of the product of the continuation 
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                            130 TACTCCTTGATCTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCT 189
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Macrophage inflammatory protein-1 alpha; MIP-1 alpha;
reduced upon activation normal T expressed and secreted; RANTES;
receptor; cytokine; antiinflammatory; inflammation; human; ss.
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Pred. No. 1.99e-24;
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504 G;
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63..1130
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Matches 177; Conservative
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28-JAN-1993; 012988.
28-JAN-1993; US-012988.
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Sequence 2156 BP;
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prods. for use as therapeutic or diagnostic agents for conditions involving the receptors.

Example 5; Page 58-60; 100pp; English.

Two primers (Q66148, Q66149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated of after the initial amplification reation and probed with sequences specific for seven transmembrane receptors ILBRI, AT2R and R20.

Clones which did not hybridise were then chosen for sequence analysis. Three new clones were identified that appeared to encode seven transmembrane receptor segments. Two more primers (Q66151, Q66152) were used to isolate a full length version of one of the human V31 clone (See Q66153). A fragment of the human clone was used to isolate this V31 genomic clone of the mouse from a library.

Sequence 2751 BP; 651 A; 747 C; 684 G; 669 T;
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Seven transmembrane receptor (V31) coding sequence.
Primer; seven transmembrane receptor; receptor; amplification; PCR;
250 ATCCTCTTGTTCTTACTCCCATTCTGGGCAGTGAGTCATGCCACTGGTGGGGTT
                                                                                                           tttggtgatgccatgtgtaagatcctctctgggttttattacacaggcttgtacagcgag
                                                                                                                                                                          310 TICAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGG
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κ
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                                                                                                                                                                                                                                                                                                          370 AIGCIGCICCIGACITGCATIAGCAIGGACCGGIACAICGCCATIGIACAGGC 422
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-JUN-1993; U11153.
17-NOV-1993; U11153.
17-NOV-1992; US-977452.
(ICOS-) ICOS CORP.
GOGISKA R, Gray PW, Schweickart VL;
WPI; 94-200264/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
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Q66164 standard; DNA; 2751 BP.
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/*tag= a
692..171
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2341..2348
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(IL-8) receptor polypeptide in F3R
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19-JUN-1997.
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Monoclonal antibody against recombinant IL-8 receptor polypeptide -

"T weeful for treating inflammatory disorders, for detecting
neutrophil(s) and for isolating IL-8 receptor from liq.mixt.

"T neutrophil(s) and for isolating IL-8 receptor from liq.mixt.

"I claim 2: Fig 1A-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8

(IL-8) receptor subtypes A and B from both human and rabbit sources

(R09950-53 encoded by 09949-52). The A subtype receptor (IL-8rB) is a

a high affinity receptor and the B subtype receptor (IL-8rB) is a

low affinity receptor. The monoclonal antibody (mAb) pref. binds to

the IL-8 binding domain thus blocking its activation. The mAbs are

useful for treating inflammatory disorders (see key words) and for

detecting the presence of neutrophils in a biological sample. The

mAbs are also useful in the isolation of IL-8 receptors from a mixture.

Squence 1200 BP; 234 A; 366 C; 295 G;
                                                                                                                                                                         DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       'n
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                                                                                                                                         24-APR-1996 (first entry)
Recombinant high affinity interleukin-8 receptor subtype A encoding
                                                                                                                                                                                        II-8A; IL-8B; receptor; monoclonal antibody; inflammatory disorder; anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis; systemic necrotising vasculitis; psoriasis; asthma; allergy; ARDS; adult respiratory distress syndrome; neutrophil detection; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3; Gaps
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Sequence encoding a high affinity recombinant rabbit interleukin-8
370 AIGCIGCICCTGACTIGCATIAGCAIGGACCGGIACAICGCCATIGIACAGGC 422
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Thomas KM;
                                                                                                                                                                                                                                                                                                                                                                                     /product IL-8A_receptor
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                                                                                                                                                                                                                                                                                                              Location/Qualifiers
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                                                                                               standard; DNA; 1200 BP
                                                                                                                                                                                                                                                                                                                                      108.1175
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15-MAR-1994; US-210250
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                                                                                                                                                                                                                                                                                     Oryctolagus cuniculus.
Key Locati
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Q99949 s
Q99949;
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WPI; 95-
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Recombinant mammalian interleukin-8 receptor - used for screening interleukin-8 binding antagonists, used to treat inflammation bisclosure; Figl : 71pp; English.

Rabbit high affinity IL-8 receptor gene was isolated from rabbit produce a rabbit neutrophils and used as a source of poly(A)+ RNA, to produce a rabbit neutrophil cDNA library. 250,000 recombinant plaques were screened for those which hybridized to an antisense coligonucleotide (Q30015). This probe was designed based on the sequence derived from the second transmedrane domain of G-protein-coupled receptors. After tertilary screening, six plaques were isolated. The insert of one of these plaques, termed F3R was of 2.5 kb in size. This insert was sequenced. The protein deduced from the F3R clone demonstrates that it belongs to the family of G-protein-coupled receptors. The deduced protein sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human CCKR3 chemokine receptor coding sequence. CCF18 chemokine; mouse; primer; PCR; amplification; antagonist; human; abnormal physiology; development; anti-viral; probe; hybridisation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ctatgccctggtcttcctgctgagcctgctgggcaactccctggtgatgctggtcatact 316
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ttteggcacgccctgtgcaaggtggtctcgcttgtgaaggaagtcaacttctacagtgg 493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       129 CTACTCCTTGATCTGTGTTCTTGGCCTCCTGGGGAATATTCTGGTGGTGATCACCTTTGC 188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         309 TITCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGG 368
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          304 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 57; DB 5; Length 1200;
Pred. No. 1.05e-21;
0; Mismatches 110; Indels
         SS.
iL-8 receptor polypeptide, G-protein-coupled receptor;
Oryctolagus cuniculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= a
/product= CCKR3 chemokine receptor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           indicates seven putatuve transmembrane segments. Sequence 1200 BP; 234 A; 366 C; 294 G
                                                               Location/Qualifiers 108..1172
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T79096 standard; cDNA; 1071 BP.
T79096;
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WPI; 92-382123/46.
P-PSDB; R28272.
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US-685101.
US-726606.
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nes 185; Conser
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10-APR-1991;
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                                                                                                                                                           New Isolated chemokine CCF8 and chemokine receptor CCKR3 - used to develop products useful for the diagnosis and treatment of conditions associated with abnormal physiology or development Claim 15; Page 60-62; 73pp; English.

This is the nucleotide sequence encoding a novel CCKR3 chemokine receptor isolated from a Th0-activated human T-cell cDNA library using the sequence amplified by primers T79097 and T79098 as a probe. The encoded protein can be used to screen for (art)agonists that bind are useful in the treatment of conditions associated with abnormal physiology or development.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181 aaatacaggaggeteegaattatgaccaacatetaeetgeteaaeetggeeattteggae 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241 ctgctcttcctcgtcacccttccattctggatccactatgtcaggggggataactgggtt 300
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Claim 1; Page 114-115; 153pp; English.
A consensus DNA sequence (T31336) codes for a novel human receptor (W03378), designated Eos L2 or C-C chemokine receptor 2 (CKR-3).
It was deduced by comparing a genomic clone (T31334) and a cDNA clone (T31335) coding for CKR-3 proteins (W03376 and W03377) having slightly different sequences. Initial sequence information revealed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                190 TITATAAGAAGGCCAGGTCTATGACAGACGTCTTATCTTGAACATGGCCATTGCAGAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              370 ATGCTGCTCCTGACTTGCATTAGCATGGACCGGTACATCGCCATTGTACAGGC 422
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC-chemokine receptor 3 consensus DNA sequence. CC-chemokine receptor 3; CKP-3; Eos-L2; inhibitor; antisense;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 4.9%; Score 55; DB 36; Length 1071; Best Local Similarity 59.4%; Pred. No. 2.33e-20; Matches 174; Conservative 0; Mismatches 119; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                           306 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              361 atctttttcataatcctgctgacaatcgacaggtacctggccattgtccatgc
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                                                                      Wang
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                                                                        Schall
                                                                                                                                                                                                                                                                                                                                                                                                                                           292 C;
                    08-DEC-1995; US-567882.
(SCHE ) SCHERING CORP.
Dairaghi DJ, Hara T, Miyajima A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-JAN-1996; U00608.
19-JAN-1995; US-375199.
(BGHM ) BRIGHAM & WOMENS HOSPITAL.
(CHIL-) CHILDRENS MEDICAL CENT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antiinflammatory; eosinophil; ds.
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231 A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        1071 BP;
                                                                                          Yoshimura A;
WPI; 97-332784/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              96-354528/35.
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WO9622371-A2.
25-JUL-1996.
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P-PSDB; W03378
                                                                                                                                          P-PSDB; W25943
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2 regions in which the cDNA sequence appeared to be shifted in frame, resulting in 2 sets of 4 contiguous amino acid differences in the predicted proteins. Further sequence analysis revealed only a single difference between the 2 open reading frames, the genomic clone coding for threonine at position 276 and the CDNA clone for serine.
                                                                                                                                                                                                                                                                                                            Gaps
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Claim 1; Page 111-113; 153pp; English.
A genomic DNA clone (731335) codes for a novel receptor (W03377), designated Eos L2 or C-C chemokine receptor 3 (CKR-3), involved in leukocyte migration associated with inflammation. It was isolated from a human library constructed from eosinophils obtd. from a patient with hyper-eosinophils syndrome using a probe (P4 cDNA) encoding the MIP-lalpha/RANTES receptor. A CKR-3 genomic clone (T31334) was also isolated, and a consensus sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        195 aaatacaggaggeteegaattatgaecaacatetaeetgeteaaeetggeeattteggae
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CC-chemokine receptor 3 cDNA clone.
CC-chemokine receptor 3; CKP-3; Eos-L2; inhibitor; antisense; antiinflammatory; eosinophil; ss.
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92.1159
/*tag= a
/*tag= b
/*tag= b
//note= "CKR-3 CDNA clone has GC at positions
                                                                                                                                                                                                                                              Score 55; DB 23; Length 1116;
Pred. No. 2.33e-20;
                                                                                                                                                                                           306 T;
                                                                                                                                                                                                                                                                                                      0; Mismatches 119; Indels
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                                                                                                                                                                                           257 G;
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                                                                                                                                                                                           286 C;
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19-JAN-1996; U00608.
19-JAN-1995; US-375199.
(BGHM ) BRIGHAM & WOMENS HOSPITAL.
(CHIL-) CHILDRENS MEDICAL CENT.
(LEUK-) LEUKOSITE INC.
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T31335 standard; cDNA; 1193 BP.
                                                                                                                                                                                        246 A;
                                                                                                                                                                                                                                           Query Match
Best Local Similarity 59.4%;
Matches 174; Conservative
                                                                                                                                                                                     Sequence 1116 BP;
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P-PSDB; W03377
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Search completed: Sat Nov 14 00:36:18 1998 Job time : 1101 secs.
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Human C-C caxin; ecosinophil; chemoattractant; stimulation;

W reatment; disease; inflammation; allergy; asthma; rhinitis;

W reatment; disease; inflammation; allergy; asthma; rhinitis;

W interstital; Lib; idiopathic pulmonary fibrosis;

W interstital; Lib; idiopathic pulmonary fibrosis;

W interstital; Lib; idiopathic pulmonary fibrosis;

W interstital; Lib; diopathic pulmonary fibrosis;

W ankylosing spondylitis; sclerosis; Sjorgen's; polymyositis;

W antoin spondylitis; anaphylaxis; drug; penicillin;

W apondyloarthropathy; scleroderma; psoriasis; dermatosis;

W asculitis; myositis; fascitis; multiple sclerosis;

W asculitis; myositis; fascitis; multiple sclerosis;

W autoimmune; thyroiditis; Bechet's; graft versus host; cancer;

W myasthenia gravis; juvenile onset diabetes; glomerulonephritis;

W transplantation; allograft; graft versus host; cancer;

W haematologic malignancy; septic; endotoxic; shock;

M polymyositis; dermatomyositis; immunosuppression; immunodeficiency;

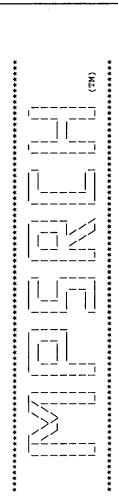
W ALDS; radiation therapy; chemotherapy; autoimmune; corticosteroid;
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                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nple 7; Page 97; 130pp; English.
present sequence encodes human C-C chemokine receptor 3 (CRK3),
                                                                                                                                                                                                                                                                                                                                                                                                                                          190 TITIATAAGAAGGCCAGGICTAIGACAGACGICTATCICTIGAACAIGGCCAIIGCAGAC
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   is given in T31336. The cDNA and genomic clones can be used for the proon. of recombinant CKR-3 in host cells, or to design antisense sequences useful for treating inflammatory disease. Sequence 1193 BP: 274 A; 310 C; 275 G; 334 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  452 atctttttcataatcctgctgacaatcgacaggtacctggccattgtccatgc 504
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                                                                                                                                                                           Length 1193;
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Pred. No. 2.33e-20;
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181..1248
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1-JUN-1996; U10723,
23-JUN-1995; US-494093.
(LEUK-) LEUKOSITE INC.
MacKay C, Newman W, Ponath PD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /product- CRK3
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T58783 standard; DNA; 1689 BP.
                                                                                                                                                                       / Match 4.9%;
Local Similarity 59.4%;
Nes 174; Conservative
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The can be used to develop products for the diagnosis, prevention or treatment of hE associated diseases or conditions. The products can be used to develop products for the diagnosis, prevention or treatment of hE associated diseases or conditions. The products can be used to develop products for the diagnosis, prevention or treatment of hE associated diseases or conditions.

The can be used to develop products for the diagnosis, prevention or treatment of hE associated diseases and conditions, consimphilic pneumonia, lung diseases or pneumonitis, bytemic lupus arch as Loeffler's syndrome and chronic cosinophilic pneumonia such as Loeffler's syndrome and chronic cosinophilic pneumonia, luterstitial lung diseases (ILD) such as idiopathic pulmonary fibrosis or ILD associated with rheumatoid arthitis, systemic lupus erythematosus (SLE), ankylosing spondylitis, systemic sclerosis, Sjorgen's syndrome, polymyositis or dermatchnyositis), systemic anaphylaxis or hypersensitivity or dermatchnyositis, systemic inflammatory bowel diseases (e.g. Crohn's insect sting allergies, inflammatory dermatchses (e.g. Crohn's insect sting allergies, inflammatory dermatchses (e.g. Crohn's cleaned in psoriasis and inflammatory dermatchses (e.g. Crohn's scleroderma, psoriasis and inflammatory dermatchses (e.g. cripmophilic myositis and fascitis, multiple scleroderma, psoriasis and inflammatory dermatchses (e.g. cripmophilic myositis and fascitis, multiple sclerotis, sclenophilic myositis and fascitis, multiple sclerotis, sclenophilic myositis and fascitis, dermatchilical and necrotismular and percentages and cancers with leukocyte inflammatory responses, including repertises of the skin or organs. The sample of the skin or organs. The products can also be used to treat other induced toxicity (e.g. s
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which human eotaxin (hE), an eosinophil specific chemoattractant
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n.a. - n.a. database search, using Smith-Waterman algorithm MPsrch_nn Fri Nov 13 23:16:17 1998; MasPar time 1258.39 Seconds 1364.368 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-9 (1-1119) from US08887977.seq 1119 Description: Title:

1 ATGITITCGACTCCAGTGAA......AGAAAGCTGAGTCTCCCTAA 1119
TACAAAAGCTGAGGTCACTI.....TCTTTCGACTCAGAGGGATT Perfect Score: N.A. Sequence:

TABLE default Gap 6 Scoring table:

1988617 seqs, 767163441 bases x Dbase 0; Query 0 STD Searched: Nmatch

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Minimum Match 0% Listing first 45 summaries Post-processing:

embl-est55 Database:

Database:

Mean 11.175; Variance 1.882; scale 5.936 Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result Query No. Score Match Length DB ID Description Pred. No. Core Match Length DB ID Description Pred. No. Core Match Length DB ID Description Pred. No. Core Match Length DB ID Description Core Core Core Core Core Core Core Core																
Ouery Score Match Length DB ID 11.3 11.9 461 18 A1045155 121 10.8 492 16 AA889777 121 10.8 492 16 AA889777 12 10.8 492 16 AA889777 12 10.8 492 16 AA889777 13 10.8 492 16 AA889777 14 6 45 22 W0485 15 4.6 247 13 AA754458 16 4.5 130 13 AA790756 17 42 3.8 261 4 AA391167 18 42 3.8 466 14 R15256		Pred. No.		0.00e+00	3.37e-239	6.10e-211	5.87e-117	2.62e-86	2.98e-67	5.89e-57	5.89e-57	6.58e-53	6.58e-53	3.31e-37	3.31e-37	3.31e-37
Auch Length DB Match Length DB 14.3 46118 133 10.8 492 16 5.9 252 13 57 5.1 252 13 52 4.6 247 13 55 4.6 4.5 130 13 55 4.5 4.5 130 13 55 4.5 130 130 130 130 130 130 130 130 130 130		Description		UI-R-C1-kk-c-08-0-UI.s	vw18g09.rl Soares mous	al50h01.s1 Soares_NFL_	50bl Human retina cDNA	97SN1787 Rice Immature	97SN1787 Rice Immature	97SN1784 Rice Immature	za81f05.rl Soares feta	vw18g08.rl Soares mous	97SN1784 Rice Immature	EST35211 Embryo, 8 wee	EST11038 Umbilical vei	yf89d03.rl Homo sapien
Score 1180 1121 1213 1213 80 66 55 52 52 52 54 42 42		8		AI045155	AA790757	AA889777	W28677	AA754459	AA754459	AA754458	W04836	AA790756	AA754458	AA331167	AA296456	R15256
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1. .461
/organism="Rattus norvegicus"
/strain="Sprague-Dawley"
/note="Vector: pI7130-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; The UI-R-CI

38 3.4 289 20 T28268 mq66a06.rl Soares 2NbM 1.02e-29 38 3.4 484 26 AA152018 mq66a06.rl Soares 2NbM 1.02e-29 38 3.4 639 126 AA15270 mt83f01.rl Soares 2NbM 1.02e-29 38 3.4 793 25 AA182270 mt83f01.rl Soares 2NbM 1.02e-29 36 3.2 798 17 A1007060 uaglcol.rl Soares mous 1.02e-29 36 3.2 798 17 A1007060 uaglcol.rl Soares mous 1.02e-29 36 3.2 12 275 11 A7007060 uaglcol.rl Soares mous 4.36e-26 3.1 2275 11 AF034173 Formo sapien 4.36e-26 3.2 342 10 AA621854 rg.hcmo sapien 1.53e-22 34 3.0 382 14 AA856001 FST901.rl Homo sapien 1.53e-22 34 3.0 382 14 AA856001 FST901.rl Homo sapien 1.53e-22 34 3.0 37 FR0044173 Formo sapien 1.53e-22 34 3.0 277 FR004401 FT.rubripes GSS sequenc 4.31e-19 32 2.9 370 RAA25739 nc.77b08.rl Homo sapien 1.31e-19 32 2.9 370 RAA25739 nc.77b08.rl More sapien 2.08e-17 31 2.8 AA479467 zv.17f10.rl Soares NhHM 4.31e-19 32 2.9 370 RAA256795 zv.27c08.rl Soares preq 2.08e-17 31 2.8 AA055022 zv.27c08.rl Soares preq 2.08e-17 32 2.9 520 10 AA425767 zv.47q03.sl Soares preq 2.08e-17 33 2.9 520 10 AA425767 zv.47q03.sl Soares preq 2.08e-17 34 3.0 552 5 AA148399 zl.4c09.rl Soares preq 2.08e-17 35 2.9 54 5 AA058871 zv.47q03.sl Soares preq 2.08e-17 36 27 5 11 A7865095 zv.47q03.sl Soares preq 2.08e-17 37 2.9 54 5 AA058871 zv.47q03.sl Soares preq 2.08e-17 38 552 5 AA148399 zl.4c09.rl Soares preq 2.08e-17 38 552 5 AA148399 zl.4c09.rl Soares preq 2.08e-17 39 20 50 50 50 50 50 50 50 50 50 50 50 50 50	ALIGNMENTS 1 A1045155 461 bp mRNA EST 06-JUL-1998 UI-R-C1-kk-c-08-0-UI.SI UI-R-C1 Rattus norvegicus cDNA clone A1045155 43291974	EST. Norway rat. Rattus norvegicus Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus. 1 (bases 1 to 461) Bonaldo, M.F., Lennon, G. and Soares, M.B. Normalization and subtraction: two approaches to facilitate gene discovery Genome Res. 6 (9), 791-806 (1996)	Contact: Program f Dniversit 41 Eckst 41 Eckst 71 Eckst 7	1, .461 /organism="Rattus
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NO N	SOURCE ONGANISM ORGANISM AUTHORS TITLE JOURNAL MEDLINE	COMMENT	source

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                             AUTHORS
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library is a subtracted library derived from the UI-R-CO library, which is a subtracted library derived from the UI-R-AI and UI-R-AI libraries. The UI-R-AI library consisted of a mixture of individually tagged normalized libraries constructed from rat placenta, adult lung, brain, liver, kidney, heart, spleen, ovary, and muscle. The UI-R-EI library consisted of a mixture of individually tagged normalized libraries constructed from 8, 12 and 18-Ady embryo. The tag is a string of 3-5 nucleotides present between the Not I site and the oligo-dr track which allows identification of the library of origin of a clone within the mixture. The subtracted library (UI-R-CI) was constructed as follows: PCR amplified cDNA inserts from UI-R-CO clones from which 3' ESTS had been derived was used as a driver in a hybridization with the UI-R-CO library in the form of single-stranded circles. The remaining single-stranded circles (subtracted library) was purchased.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VALUES 312 bp MRNA EST 06-FEB-1998
VALUES 09. r1 Soares mouse mammary gland NDMMG Mus musculus cDNA clone
1244224 5' similar to SW:CRR6_HUMAN P51684 C-C CHEMOKINE RECEPTOR
AA790757
92850877
                                                                                                                                                                                                                                                                                                                                                                    hydroxyapatite column chromatography, converted to double-stranded circles and electroporated into DH10B bacteria (Life Technologies) to generate the UI-R-C1 library. This procedure has been previously described (Bonaldo, Lennon and Soares, Genome Research 6: 791-806,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              980
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Pred. No. 0.00e+00;
0; Mismatches 88; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /lab_host="DH10B (Life Technologies)"
113 c 108 g 138 t 2 ot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone="UI-R-C1-kk-c-08-0-UI"
/clone_lib="UI-R-C1"
/dev_stage="Adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /db_xref-"taxon:10116"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14.3%; (ilarity 74.4%; ) Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    house mouse.
Mus musculus
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Best Local Simil
Matches 264;
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1 (bases 1 to 312)
Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
Gelsel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                        Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
MGI:657912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 GTGTGGTTCATCTCCATCATCTCAAGCCCTACATTAAGCTTCAACAAGAGATACGAG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 ACCAAGTCTTTCCGGGTACGCTCCAGAACACTGACGCACAGTAAGGTCATCTGTATGGCA 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        484 GTGTGGGGGCTGTCAGTCATCTCCAGCTCAACTTTTGTCTTCAACCAAAAATACAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 544 ACCCAAGGCAGCGATGTCTGTGAACCCAAGTACCAAACTGTCTCGGAGCCCATCAGGTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGGCTGCTGGGTATGGGACTGGAGCTGTTCTTTGGGTTCTTCACCCCTTTGCTGTTTATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            604 AAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTCATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GTGTTCTGCTATCTGTTCAATAATCAGAACTTGGTGCAGGCCCAGAACTTCCAGAGGCAC
                                                                                                                                                                                                                                                               63108
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /db_xref="taxon:10090"
/clone="1244224"
/clone_lib="Soares mouse mammary gland NDMMG"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                         Possible reversed clone: similarity on wrong strand
Seq primer: -28ml3 rev2 ET from Amersham
High quality sequence stop: 217.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 312;
                                                                                                                                                                                                                                                    4444 Forest Park Parkway, Box 8501, St. Louis, MO Tel: 314 286 1810 Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 133; DB 13; I
Pred. No. 3.37e-239;
0; Mismatches 89;
                                                                                                                                                                                                                 WashU-HHMI Mouse EST Project
Washington University School of MedicineP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /tissue_type="mammary gland"
/dev_stage="4 weeks"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               84 t
                                                                                                                                                                                            Contact: Marra M/Mouse EST Project
                                                                                                                                   The WashU-HHMI Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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71.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 71.4%;
nes 222; Conservative
                                                                                                                                                         Unpublished (1996)
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DEFINITION

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ACCESSION KEYWORDS SOURCE

ORGANISM

REFERENCE AUTHORS

TITLE

JOURNAL

COMMENT

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/organism="Homo sapiens"
/organism="Thomo sapiens"
/note="Organ: eye; Vector: lambda gt10; Site_1: EcoRI;
Site_2: EcoRI; The library used for sequenching was a
sublibrary derived from a human retina cDNA library.
Inserts from retina cDNA library DNA were isolated,
randomly primed, PCR amplified, size-selected, and cloned
into lambda gt10. Individual plaques were arrayed and
used as templates for PCR amplification, and these PCR
products were used for sequencing."
/db_xref="taxon:9606"
/clone_lib="Human retina cDNA randomly primed sublibrary"
/sex="mixed (males and females)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ".cov// 635 bp mRNA EST 08-MAY-1996
50bl Human retina cDNA randomly primed sublibrary Homo sapiens
CDNA, mRNA sequence.
W28677
91308625
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 924 AGCGTAGAGCACAGGGTTCAGGCAGCAGTGCAGGAAAGCCAGGACTTCTGTGACAGTTTT 865
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   209 INTCINICACAINGGGAAGGANGAGGNAINN-CGAIATCIGNGGICICACIGGICI-CCG 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        984 CACACCACACAGGICCIICAAGAICIICAGAAAGIAGIIICIGAACIICIGCCCAAIAAA 925
                                                                                                                                                                                                                                                               Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (Dases 1 to 635)
Macke, J., Smallwood, P. and Nathans, J.
Adult Human Retina cDNA
Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Dr. Jeremy Nathans
Dr. Jeremy Nathans,
Dr. Jeremy Nathans, Dept. of Molecular Biology and Genetics
Johns Hopkins School of Medicine
725 North Wolfe Street, Baltimore, MD 21205
Fax: 410 614 0827
Email: jeremy_nethans@qmail.bs.jhu.edu
Clones from this library are NOT available.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     267 ANATATGTNN-CTCAGTACC-CCCGGAACAGGAGANNGANN-CTNGNTCT-CANNCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 80; DB 22; Length 635;
Pred. No. 5.87e-117;
0; Mismatches 58; Indels 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             94 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FORWARD: CTTTTGAGCAAGTTCAGCCTGGTTAAGT
BACKWARD: GAGGTGGCTTATGAGTATTTCTTCCAGGGTAA
Seg primer: GGGTAAAAAGCAAAAGAATT.
LOCATION/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /tissue_type="retina"
/dev_stage="adult"
/lab_host="E. coli strain K802"
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Best Local Similarity 71.4%;
Matches 177; Conservative
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136 c
                                                                                                                                                                                                                                             Homo sapiens
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864 CGTATAGC 857
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
/organism="Homo sapiens"
/note="Organism="Soled; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Equal amounts of plasmid DNA from three normalized libraries (fetal lung NDHL19W, testis NHT, and B-cell NCI_CGAP_GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 227480-302087, 682632-687239, 726408-72811, and 722096-731399. Subtraction by Bento Soares and M. Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                    Eukaryoft...

Eukaryoft...

Primates; Catarrhini; Hominidae; Homo.

I (bases I to 492)

NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

Tumor Gene Index
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This clone is available royalty free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Possible reversed clone: similarity on wrong strand Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 109.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1119 TIAGGGAGACTCAGCTITCTATCACATAGTGAAGGACGACGCATTGTCGTTATCTGCGGT 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1059 CTCACTGGTCTGCCGAGAAATGTTTTCTGAGTACCTCCCGGCACAGGAGAAGCTGAGGA 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           282 TTAGGGGGGCCCCACCTTCTATCAATGGTGA-GGACGGCGCCATGTCGGTAACTGCGGT 340
                                                                                                                                                                AA889777 492 bp mRNA EST 03-APR-1998 alsoholi-si Scares_RFL_T_EBE_SI Homo sapiens cDNA clone IMAGE:1460785 3' similar to SW:CRRG_HUMAN P51684 C-C CHEMOKINE RECEPTOR TYPE 6;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                341 CTCAATGGTCTTCCGAGAAAAGGTTTCCGGGGAACTCCGGGAAAAGGGGGAAGCCTGAGGA 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     401 CTGGTACTTCCTTCCAGAGCACCAGAGGTC-TTCAAGATCTTCCGAAAGTAGTTTCGGAA 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 121; DB 16; Length 492;
Pred. No. 6.10e-211;
0; Mismatches 39; Indels 2; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /cloue__invocates_vel_T_GBC_S1"
/lab_host="DHIOB"
119 c 117 q 122 t
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Email: Robert_Strausberg@nlh.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /db_xref="taxon:9606"
/clone="IMAGE:1460785"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 10.8%;
Best Local Similarity 80.8%;
Matches 172; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished (1997)
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                                                                   724 AAAGCCATCCG 734
                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
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source

FEATURES

BASE COUNT ORIGIN

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Gaps

DEFINITION

ACCESSION NID KEYWORDS

SOURCE ORGANISM

REFERENCE AUTHORS

TITLE JOURNAL COMMENT

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/note="Vector: pBluescript SK(+); Site_1: EcoRI; Site_2: XhoI; Directional cDNA library inserted into lambda ZAPII vector at 5'end with EcoRI and 3' end with Xho I site."
/db_xref="taxon:4530"
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AA754458 92801164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_1975N1787"
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/dev.stagge="5 days after pollination"
/lab_host="E. coll SOLR"
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Embryophyta; Tracheophyta; seed plants; Magnollophyta; Liliopsida;
Poales; Poaceae; Oryza.
                                             Eukaryotae; Viridiplantae; Charophyta/Embryophyta group;
Embryophyta; Tracheophyta; seed plants; Magnoliophyta; Liliopsida;
Poales; Poaceae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: myeun@sun20.asti.re.kr
Submitted by Baek Hie Nahm, Dept of Biological Science, Myongji
University, Yongin, Korea. 449-728 bhnahm@bioserver.myongji.ac.kr
Seq primer: M13 Reverse Primer.
                                                                                                                         1 (bases 1 to 252)
Nahm.B.H., Kim.J.K., Cheong,J.J., Kim,S.I., Hahn,T.R, Moon,E.P.,
Kim,W.T., Kim,W.Y., Yang,M.S., Park,R.D., Sohn,U.I., Kang,K.Y.,
Lee,M.C. and Eun,M.Y.
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Nahm,B.H., Kim,J.K., Cheong,J.J., Kim,S.I., Hahn,T.R, Moon,E.P.,
                                                                                                                                                                                                                        Large-scale Sequencing Analysis of ESTs from Rice Immature Seed Unpublished (1998)
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Best Local Similarity 11.6%; Pred. No. 2.98e-67;
Matches 27; Conservative 117; Mismatches 86; Indels
                                                                                                                                                                                                                                                                                                         Contact: Bun M.Y.
Department of Cytogenetics
National Inst. of Agri. Sci. and Tech,
Suwon, Kyunggido, Korea
Tel: 82 331 290 0301
Fax: 82 331 290 0307
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    .252
    /organism="Oryza sativa"
    /cultivar="Milyang23"

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          AA754459 252 bp mRNA EST 20-JAN-1998 97SN1787 Rice Immature Seed Lambda ZAPII cDNA Library Oryza sativa cDNA clone 97SN1787, mRNA sequence. AA754459 92801165
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/db_xref="taxon" 4330"
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                                                                                                                                                                                               Oryza sativa

Eukaryotae: Viridiplantae: Charophyta/Embryophyta group;

Embryophyta; Tracheophyta; seed plants: Magnoliophyta; Liliopsida;

Poales; Poaceae; Oryza.

1 (bases 1 to 252)

Nahm,B.H., Kim,J.K., Cheong,J.J., Kim,S.I., Hahn,T.R, Moon,E.P.,

Kim,W.T., Kim,W.Y., Yang,M.S., Park,R.D., Sohn,U.I., Kang,K.Y.,

Lae,M.C. and Eun,M.Y.

Large-scale Sequencing Analysis of ESTs from Rice Immature Seed

Unpublished (1998)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Department of Cytogenetics
National Inst. of Agri. Sci. and Tech, RDA
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Wown, Kyungqido, Korea
Tel: 82 331 290 0301
Fax: 82 331 290 0307
Fax: 82 bmail: myeun@sun20.asti.re.kr
Submitted by Back Hie Nahm, Dept of Biological Science, Myongji
University, Yongin, Korea. 449-728 bhnahm@bloserver.myongji.ac.kr
Seq primer: M13 Reverse Primer.
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/tissue_type="Immature Seed"
/dev_stage="5 days after pollination"
/lab_host="E. coli SOLR"
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2a81f05.r1 Soares fetal lung NbHL19W Homo sapiens cDNA clone 298977
5' similar to gb:D10925 C-C CHEMOKINE RECEPTOR TYPE 1 (HUMAN);,
MO4836
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/cultivar="Milyang23"
/note="Vector: pBluescript SK(+); Site_1: EcoRI; Site_2:
XhoI; Directional CDNA library inserted into lambda ZAPII
vector at 5'end with EcoRI and 3' end with Xho I site."
/db_xref="taxon:4530"
/clone="97SN1784"
                                                                                                            Department of Cytogenetics
National Inst. of Agri. Sci. and Tech, RDA
Suwon, Kynagido, Korea
Tel: 82 331 290 0301
Fax: 82 331 290 0307
Email: myeun@sun20.asti.re.kr
Submitted by Baek Hie Nahm, Dept of Biological Science, Myongji
University, Yongin, Rorea. 449-728 bhnahm@bloserver.myongji.ac.kr
Seq primer: M13 Reverse Primer.
Location/Qualifiers
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/tissue_type="Immature Seed"
/dev_stage="5 days after pollination"
/lab_host="E. coli SOLR"
16 2 9 34 t 169 others
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                               Large-scale Sequencing Analysis of ESTs from Rice Immature Seed Unpublished (1998)
Kim,W.T., Kim,W.Y., Yang,M.S., Park,R.D., Sohn,U.I., Kang,K.Y.,
Lee,M.C. and Eun,M.Y.
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Vertebrata; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Huchan, T., Le, M., Lennon, G., Marra, M. Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and
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larity 14.2%; Pred. No. 5.89e-57;
Conservative 102; Mismatches 89; Indels
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AA790756 130 bp mRNA EST 06-FEB-1998 vw18908.rl Soares mouse mammary gland NDMMG Mus musculus cDNA clone 1244222 5' similar to SW:CKR6_HUMAN P51684 C-C CHEMOKINE RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                             This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Seq primer: mob.REGA+ET High quality sequence stop: 402.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       58 TACTCCTTGGTATTTGTCATTGGCCTGGTTGGAAACATCCTGGTGGTCCTGGTCCTTGTG 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    118 CAATACAAGAGGCTAAAAAACATGACCAGCATCTACCTCCTGAACCTGGCCATTTCTGAC 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     178 CTGCTCTTCCTGTTCACGCTTCCCTTCTGGATCGACTACAAGTTGAAGGATGACTGGGTT
Contact: Wilson RK
WashU-Merck EST Project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 450;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 52; DB 22; Length 450;
Pred. No. 5.89e-57;
0; Mismatches 77; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /dev_stage="19 weeks"
/lab_host="DH10B (ampicillin resistant)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_lib="Soares fetal lung NbHL19W"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            130 t
                                                                                                                                                                                               1. .450
/organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                            /db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                             fetal heart NDHH19W."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   109 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 238 TTTGGTGATGCCATGTGAAGATCCT 263
                                                                                              Email: est@watson.wustl.edu
This clone is available roya
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE 6;, mRNA sequence.
AA790756
92850876
                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone="298977"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 62.6%;
Matches 129; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .>450
118 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         91
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φ

JOURNAL

TITLE COMMENT FEATURES

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Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fuldner, R.A., Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fuldner, R.A., Bult, C.J., Lee, N.H., Kirkness, E.F., Weinstock, K.G., Gocayne, J.D., Bult, C.J., Sutton, G., Blake, J.A., Brandon, R.C., Man-Wai, C., Clayton, R.A., Cline, T.R., Cotton, M.D., Earle-Hughes, J., Fine, L.D., Fitzgerald, L.M., Fitzhugh, W.M., Fritchman, J.L., Geoghagen, N.S., Glodek, A., Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkle, P.S.Jr., Kelley, J.M., Kelley, J.C., Liu, L.-I., Marmaros, S.M., Merrick, J.M., Moreno-Palanques, R.F., McDonald, L.A., Nguyen, D.T., Pelligarino, S.M., Phillips, C.A., Ryder, S.E., Scott, J.L., Saudek, D.M., Shirley, R., Small, K.V., Spriggs, T.A., Utterback, T.R., Weidman, J.F., Li, Y., Bednarik, D.P., Cao, L., Cepeda, M.A., Coleman, T.A., Collins, E.J.,
                                                                                                                                                                                                                                                                                                                                                                                                       /note="vector: pBluescript SK(+); Site_1: EcoRI; Site_2: XhoI; Directional cDNA library inserted into lambda ZAPII vector at 5'end with EcoRI and 3' end with Xho I site." /db_xref="taxon.1530" /clone="97SN1784" /clone="97SN1784" /clone="PSN1784" /clone="Rice Immature Seed Lambda ZAPII cDNA Library"
                                                                                                                                                                                                       Email: myeun@sun20.asti.re.kr
Submitted by Back Hie Nahm, Dept of Biological Science, Myongji
University, Yongin, Korea. 449-728 bhnahm@bioserver.myongji.ac.kr
Seq primer: M13 Reverse Primer.
Location/Quallifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               670 AAAATATCATGAACATCAAAGGGATAAAGAAACCAAAGAGTAGCTCAAGCCCCCAACATCA 611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 HCR-YIVBWYYARSKYGYGTBYYSWNVDTNTGGTGVGKTTVNVHSGWNNRCSNSVVYVWB 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             120 TAYCDYBHYBDRANHVDDTRCTNDRGYCNYTASDNGTSATKRVTGYDKTDSDCGGGCWRK 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AA331167 261 bp mRNA EST 21-APR-1997 EST35211 Embryo, 8 week I Homo sapiens cDNA 5' end similar to vasoactive intestinal peptide receptor RDC1, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   180 VIYGSSBYBRCGVNVMVRITSMWIDKSIKMBSMDMSRRSRVHYGRWMBNKKRGMSRNW 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 HWDCTMNTVWRGCCCCBAWMNKHTHHMMTBBWCCVRRVGTTTNNGKHNGRTTTWNDCSDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /tissue_type="Immature Seed"
/dev_stage="5 days after pollination"
/lab_host="E. coli SOLM"
16 c 21 g 34 t 169 ot!
                                                                       Department of Cytogenetics
National Inst. of Agri. Sci. and Tech, RDA Suwon, Kyunggido, Korea
Tel: 82 331 290 0301
Fax: 82 331 290 0307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 50; DB 13; 1
Pred. No. 6.58e-53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / Match 4.5%; Score 50; DB 13;
Local Similarity 13.0%; Pred. No. 6.58e-9
nes 31; Conservative 108; Mismatches
                                                                                                                                                                                                                                                                                                                                                           /organism="Oryza sativa"/cultivar="Milyang23"
     Unpublished (1998)
                                                         Contact: Eun M.Y.
                                                                                                                                                                                                                                                                                                                                      1. .247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
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91983628
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Best Local 3
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     JOURNAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KEYWORDS
                                                                                                                                                                                                                                                                                                              FEATURES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           97SN1784 Rice Immature Seed Lambda ZAPII cDNA Library Oryza Sativa cDNA clone 97SN1784, mRNA sequence. AA754458 92801164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryotae; Viridiplantae; Charophyta/Embryophyta group;
Embryophyta; Trachcophyta; seed plants; Magnoliophyta; Liliopsida;
Poales; Poaceae; Oryza.

1 (bases I to 247)
Nahm, B.H., Kim, J.K., Cheong, J.J., Kim, S.I., Hahn, T.R, Moon, E.P.,
Kim, W.T., Kim, W.Y., Yang, M.S., Park, R.D., Sohn, U.I., Kang, K.Y.,
Lee, M.C. and Eun, M.Y.
Large-scale Sequencing Analysis of ESTs from Rice Immature Seed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ï
                                                                                                                                                                                                                                                                            This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-JAN-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         62 IGGITCATCICCATCATCATCTCAAGCCCTACATTTAGTCTTCAACAAGAATAC 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone_lib="Soares mouse mammary gland NDAMG"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                   Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: -28ml3 rever ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 13; Length 130;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. 6.58e-53;
0; Mismatches 29; Indels
                                                                                                                        WashU-HHMI Mouse EST Project
Washington University School of MedicineP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /tissue_type="mammary gland"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33 t
                                                                                                   Contact: Marra M/Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Mus musculus"
                                                                                                                                                                                                                                                    Email: mouseest@watson.wustl.edu
Waterston, R.
The WashU-HHMI Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /db_xref-"taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /dev_stage="4 weeks"
/lab_host="DH10B"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /strain-"C57BL/6J"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 73.9%;
Matches 85; Conservative
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                                               Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bonaldo.
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BASE COUNT ORIGIN

g ò 셤 ò DEFINITION

RESULT

ACCESSION KEYWORDS SOURCE

ORGANISM

REFERENCE AUTHORS

TITLE

ä

Gaps

5;

97; Indels

Length 247;

169 others

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Clayton, R.A., Cline, T.R., Cotton, M.D., Earle-Hughes, J., Fine, L.D., Fizgerald, L.M., Fitzhugh, W.M., Fritchman, J.L., Geoghagen, N.S., Glodek, A., Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkle, P.S.Jr., Kelley, J.M., Kelley, J.C., Liut, L.-I., Marmarcos, S.M., Merrick, J.M., Moreno-Palanques, R.F., McDonald, L.A., Nguyen, D.T., Pelligrino, S.M., Phillips, C.A., Ryder, S.E., Scott, J.L., Saudek, D.M., Shirley, R., Small, K.V., Spriggs, T.A., Utterback, T.R., Weidman, J.F., Li, Y., Dimke, D., Feng, D.-F., Ferrie, A., Fischer, C., Hastings, G.A., He, W.W., Hu, J.S., Greene, J.M., Gruber, J., Hudson, P., Kim, A.K., Kozak, D.L., Kunsch, C., Hungjun, J., Li, H., Melssner, P.S., Olsen, H., Raymond, L., Well, Y.F., Wing, J., Xu, C., Yu, G.L., Ruben, S.M., Dillion, P.J., Fannon, M.R., Rosen, C.M., Haseltine, W.A., Fields, C., Fraser, C.M., and Venter, J.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             human clone=29866 library=Soares infant brain lNIB vector=Lafmid BA
                                                                                                                                                                                                                                                                                                                                                                                                 Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence Nature 377 (6547 Suppl), 3-174 (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: arkerlavetigr.org
For clone availability, additional sequence and expression
for clone availability, additional sequence and expression
information related to this EST, please check the TiGR Human Gene
Index (http://www.tigr.org/tdb/hgi/hgi.html)
Seq primer: MI3 Reverse.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    R15256 466 bp mRNA EST 13-APR-1995 yf89d03.rl Homo sapiens cDNA clone 29866 5' similar to gb:M64749 PROTEIN-COUPLED RECEPTOR RDC1 HOMOLOG (HUMAN);. R15256 g769529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121 GGTCAGTCTCGTGCAGCACAACCAGTGGCCCATGGGCGAGCTCACGTGCAAAGTCACACA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 CCTCATCTTCTCCATCAACCTCTTCGGCAGCATTTTCTTCCTCACGTGCATGAGCGTGGA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     339 AGGCAICTAIGCCAICAACTITAACTITAAACTGCGGATGCTGCTCCTGACTTTAGCATGGA 398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 CTACATCTTGAACCTGGCCATTGCCGACCTGTGGGTTGTCCTCACCATCCCAGTCTGGGT 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note="Organ: umblifical vein; Vector: pBluescript
Site_1: ECORI; Site_2: XhoI"
/db_xref="ATCC (inhost):194234"
/db_xref="taxon:9606"
/clone_lib="Umblifical vein endothelial cells II"
/cell_type="endothelial cell"
/dev_stage="fetus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     222 CTATCTCTTGAACATGGCCATTGCAGACATCCTCTTTGTTCTTACTCTCCCATTCTGGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The Institute for Genomic Research
9712 Medical Center Drive, Rockville, MD 20850 USA
Tel: 3018699056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               66; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 316;
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Pred. No. 3.31e-37;
0; Mismatches 66
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Local Similarity 64.6%;
hes 126; Conservative
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Dimke, D., Feng, D.-F., Ferrie, A., Fischer, C., Hastings, G.A.,
He, W.W., Hu, J.S., Greene, J.M., Gruber, J., Hudson, P., Kim, A.K.,
Kozak, D.L., Kunsch, C., Hungjun, J., Li, H., Meissner, P.S., Olsen, H.,
Raymond, L., Wei, Y.E., Wing, J., Xu, C., Yu, G.L., Ruben, S.M.,
Dillion, P.J., Fannon, M., Rosen, C.A., Haseltine, W.A., Fields, C.,
Fraser, C.M. and Venter, J.C.
                                                                                                                                                            Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence Nature 377 (6547 Suppl), 3-174 (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: arkerlav@tigr.org
For clone availability, additional sequence and expression
information related to this EST, please check the TIGR Human Gene
Index (http://www.tigr.org/tdb/hgi/hgi.html)
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Bult, C.J., Lee, N.H., Kirkness, E.F., Weinstock, K.G., Gocayne, J.D.,
White, O., Sutton, G., Blake, J.A., Brandon, R.C., Man-Wai, C.,
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/note="Organ: Embryo, 8 weeks; Vector: pBluescript SK-;
Site_1: EcoR1; Site_2: Xho1"
/db_xref="ArCC (inhost):133016"
/db_xref="taxon:9606"
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Vertebrata; Mammalla; Eutheria; Primates; Catarrhini; Hominidae;
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Pred. No. 3.31e-37;
0; Mismatches 67; Indels
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Contact: Kerlavage, AR
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/dev_stage="embryo, 8 wks"
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Eucaryotae: Metazoa; Chordata: Vertebrata; Gnathostomata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 466)
Hillier,L., Clark, N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Rucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
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Deuterostomia; Chordata; Vertebrata; Gnathostomata; Osteichthyes;
Sarcopterygii; Choanata; Tetrapoda; Amniota; Mammalia; Theria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               High quality sequence stops: 303
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Location/Qualifiers
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protein-coupled
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                                                                                                                                                                                                                                                                                                                                                                                        Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800
Fax: 314 286 1810
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EST34714 Homo sapiens CDNA 5' end similar to G receptor 1, Epstein-Barr virus-induced (HT:904)
T28268 9610366
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Pred. No. 3.31e-37;
0; Mismatches 66
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/clone="29866"
141 c 109 q 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                  The WashU-Merck EST Project Unpublished (1995)
                                                                                                                                                                                                                                                                                                                                                                Contact: Wilson RK
WashU-Merck EST Project
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llarity 64.6%;
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Eutheria; Archonta; Primates; Catarrhin; Hominidae; Homo.

(bases 1 to 289)

Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fuldner, R.A.,

Bult, C.J., Lee, N., Kirkness, E.F., Weinstock, K.G., Gocayne, J.D.,

White, O., Sutton, G., Blake, J.A., Brandon, R.C., Chlu, M.-W.,

Clayton, R.A., Cline, R.T., Cotton, M.D., Earle-Hughes, J., Fine, L.D.,

FitzGerald, L.M., FitzHugh, W.M., Fritchman, J.L., Geoghagen, N. S.M.,

Glodek, A., Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkle Jr.P.S.,

Kelley, J.M., Kilmek, K.M., Kelley, J.C., Liu, L.I., Marmaros, S.M.,

Merick, J.M., Moreno-Palanques, R.F., McDonald, L.A., Nguyen, D.T.,

Pellegrino, S.M., Phillips, C.A., Ryder, S.E., Scott, J.L.,

Saudek, D.M., Shirley, R., Small, K.V., Spriggs, T.A., Utterback, T.R.,

Weidman, J.F., Li, Y., Bednarik, D.P., Cao, L., Cepeda, M.A.,

Coleman, T.A., Collins, E. J., Dimke, D., Feng, P., Ferrie, A.,

Gruber, J., Hudson, P., Kim, A., Kozak, D.L., Kunsch, C., Ji, H.,

Meissner, P.S., Olsen, H., Raymond, L., Wei, Y.-F., Wing, J., Xu, C.,

Haseltine, W.A., Fields, C., Frasch, C.M. and Verersic, C.A.,

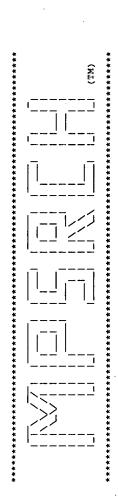
Based Human Gene Diversity and Expression Patterns

Based Upon 52 Mullion Basepalrs of CDNA Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Gelsel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptce, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: tdbinfo@tdb.tigr.org
For clone availability, additional sequence and expression
information related to this EST, please contact the TIGR Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AA153412 391 bp mRNA EST 18-FEB-1997 mq66a06.rl Soares 2NDMT Mus musculus CDNA clone 583666 5' similar to db:Lu66797 PROBABLE G PROTEIN-COUPLED RECEPTOR LCR1 HOMOLOG (HUMAN); mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120 GTCACCTACAGCCTGGGCCTGCGTCGGNTGCTGCGTCAACCCTTTGTACGCCTTCATC 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 871 GTCACAGAAGTCCTGGCTTTCCTGCACTGCTGCCTGAACCCTGTGCTCTACGCTTTTATT 930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 38; DB 20; Length 289;
Pred. No. 1.02e-29;
0; Mismatches 37; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The Institute for Genomic Research 932 Clopper Rd, Gaithersburg, MD 20878 Tel: 3018699423 Fax: 301869423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            70 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (tdbinfo@tdb.tigr.org).
Location/Qualifiers
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Best Local Similarity 66.4%;
Matches 73; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Venter, JC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <1. .>289
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4444 FOLEST FAILN FAILNEY, DOL COLL, ST. LOUIS, NO CLEUS, AND TEL: 314 286 1800
Fax: 314 286 1810
Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
MGI: 338314
Seq primer: -28M13 rev2 from Amersham
High quality sequence stop: 353.
Location/Qualifiers
rce /organism="Mus musculus"
/strain="CSTBL/65"
/strain="CSTBL/65"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                               Washu'HHMI Mouse EST Project
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
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Pred. No. 1.02e-29;
0; Mismatches 20; Indels
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                  Contact: Marra M/Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /clone_lib="Soares 2NbMT"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /tissue_type="Thymus"
/dev_stage="4 weeks"
/lab_host="DH10B"
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Best Local Similarity 74.4%;
Matches 58; Conservative
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                                                                                                                                                                                                                              source
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BASE COUNT
ORIGIN
                                                                                                                                                                                                              FEATURES
COMMENT
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Search completed: Sat Nov 14 00:17:33 1998 Job time : 3676 secs.

90 kg 60 kg



Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

n.a. - n.a. database search, using Smith-Waterman algorithm MPsrch_nn

Sat Nov 14 00:36:39 1998; MasPar time 44.20 Seconds 1181.065 Million cell updates/sec Run on:

Tabular output not generated.

Title:

1 ATGITITCGACTCCAGTGAA......AGAAAGCTGAGTCTCCCTAA 1119
TACAAAAGCTGAGGTCACTI......TCTTTCGACTCAGAGGGAIT >US-08-887-977-9 (1-1119) from US08887977.seq 1119 Description:
Perfect Score:
N.A. Sequence:
Comp:

TABLE default Gap 6 Scoring table:

Dbase 0; Query 0

STD :

Nmatch

88822 seqs, 23323279 bases x Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

n-issued 1:5_COMB 2:PCT9_COMB 3:backfiles1 Database:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Mean 8.680; Variance 4.376; scale 1.984

Statistics:

SUMMARIES

Pred. No.	2.18e-38	2.18e-38	2.18e-38	2.18e-38	9.02e-28	1.61e-28	1.54e-25	8.47e-25	7.35e-22	2.10e-20	2.10e-20	5.83e-19								
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Description	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence						
Œ	PCT-US93-1	PCT-US93-1	PCT-US93-0	PCT-US93-1	US-08-012-	PCT-US93-1	US-08-232-	PCT-US95-0	PCT-US92-0	PCT-US95-0	PCT-US95-0	PCT-US95-0	PCT-US92-0	PCT-US95-0	US-08-202-	US-08-418-	US-08-410-	-940-80-D	PCT-US94-0	US-08-410-
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Length DB	1900	2058	2154	2160	2156	2751	7218	1200	1200	1979	2232	1176	1373	1373	1883	1933	1933	1933	1933	1933
& Query Match	6.7	6.7	6.7	6.7	5.5	5.5	5.2	5.1	4.7	4.6	4.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Score	75	75	75	75	61	62	28	57	53	51	51	49	49	49	49	49	49	49	49	49
Result No.	п	7	m	4	Ŋ	ဖ	7	ω	σ	10	11	12	13	14	15	16	17	18	19	20

TYPE: nucleic acid

3.05e-18	3.05e-18	4.16e-16	4.16e-16	1.06e-14	1.06e-14	1.06e-14	1.06e-14	1.05e-14	1.06e-14	1.28e-12	1.28e-12	6.23e-12	6.68e-10	6.68e-10	6.68e-10	6.68e-10	6.68e-10	2.86e-07	2.30e-05	2.30e-05	2.30e-05	9.59e-05	9.59e-05	9.59e-05
Sequence 31, Applicati	Sequence 27, Applicati	Sequence 4, Applicatio	Sequence 8, Applicatio	Sequence 5, Applicatio	Sequence 4, Applicatio	Sequence 45, Applicati	3, 8	4	'n	Sequence 2, Applicatio	,	'n	'n	'n	Sequence 6, Applicatio	Sequence 3, Applicatio	Sequence 5, Applicatio	Sequence 5, Applicatio	٦,	ď,	Sequence 35, Applicati	100,	13, A	1, 1
PCT-US93-1 Sequ	PCT-US93-1 Sequ	1S-07-759- Segu	JS-08-202- Sequ	PCT-US92-0 Sequ	_	PCT-US93-1 Sequ	us-08-076- sedu	us-08-202- segu		PCT-US92-0 Sequ	us-07-816- Sequ		JS-08-041- Segi	JS-08-417- Segi	JS-08-202- Se ຕັ	PCT-US94-0 Segi	บร-08-076- Segu	JS-07-816- Sequ	PCT-US93-1 Sequ	JS-08-238- Segu	PCT-US93-1 Sequ	PCT-US95-1 Segi	1S-07-865- Segu	us-08-446- segu
2 PC	2 PC	1 US	1 US	2	2	2	1 08	1 08	2	2	1 08	2 2	1 08	1 08	1 US	2 2	1 08	1 08	2 2	1 08	2	2	1 US	1 08
1161	2254	1510	1748	1106	1106	1317	1737	1737	1737	652	1244	1080	1572	1572	1679	1679	1679	1351	69	215	720	74	105	1842
4.3	4.3	4.0	4.0	3.8	3.8	3.8	3.8	3.8	3.8	3.6	3.6	3.5	3.2	3.2	3.2	3.2	3.2	2.9	2.6	5.6	5.6	2.5	2.5	2.5
48	48	45	45	43	43	43	. 43	43	43	40	40	39	36	36	36	36	36	32	29	59	29	78	78	78
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	c 41	42	c 43	c 44	45

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Sequence 10, Approximation:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
ATTLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
                                                                                                                                                                      ADDRESSE: Bicknell STREET: 6300 Sears Tower, 233 South Wacker Drive CITY: Chloago STATE: 1111nois COUNTRY: USA
                                                                                                                                                                                                                                     ZIP: 60606

MORDTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
 T 1
PCT-US93-11153-18 STANDARD; DNA; UNC; 1900 BP.
                                                                                                                                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                               Sequence 18, Application PC/TUS9311153
Sequence 18, Application PC/TUS9311153
                                                                                                                                                                                                                                                                                                                                                                                                             NAME: NOLDING, Greta E.
REGISTRATION NUMBER: 35,302
REFLECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEX: 25-3856
INFORMATION FOR SEO IN NO: 18:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1900 base pairs
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                         XXXXX
RESULT
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US-08-887-977-9.rni

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TYPE: nucleic acid
STRANDEDNESS: single
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ZIP: 20005-3934
COMPUTER READABLE FORM:
            CLASSIFICATION:
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ZIP: 2000
                                                                                                                                                                                FEATURE
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                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                               427 TTCCTCCTGACCCTTCTGGGCCTACAGCGCGGCCAA--GTCC-TGGGTCTTCGGT
                                                                                                                                                                                                                                                                                                           367 AAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACCTGGCGGTGGCAGACATCCTC
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                                                                                                                                                                        4
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6, Application PC/TUS9311153
Sequence 6, Application PC/TUS9311153
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTON: Novel Seven Transmembrane Receptors
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
                                                                                                                                                     Score 75; DB 2; Length 1900;
Pred. No. 2.18e-38;
0; Mismatches 122; Indels
                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Bicknell
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
                                                                                                                 NAME/KEY: 3'UTR
LOCATION: 1246..1900
SEQUENCE 1900 BP; 431 A; 593 C; 459 G; 417 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPOTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                 T 2
PCT-US93-11153-6 STANDARD; DNA; UNC; 2058 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCT/US93/11153
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                    / Match 6.7%;
Local Similarity 63.7%;
nes 221; Conservative
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1..168
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LOCATION:
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LOCATION:
FEATURE:
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                                                                      LOCATION:
FEATURE:
                                                     FEATURE:
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580 ITCCICCEGACCCTICCCTICTGGGCCTACAGCGGGGCCAA--GICC-IGGGICTICGGI 636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 256 TITGITCITACICCCCAITCIGGGCAGIGAGTCAIGCCACIGGIGCGIGGGTTITCAGC 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        460 ATCATTTGTTTCGTGGGCCTACTGGGCAATGGGCTGGTCGTGTTGACCTATATCTATTTC 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                637 GTCCACTITIGCAAGCTCATCTTTGCCATCTACAAGATGAGCTTCTTCAGTGGCATGCTC 696
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       316 AATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTG 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            401 TGTGCTCCAAGAAGGACGTGCGGAACTT-TAAAGCCTGGTTCCTCCCTATCATGTACTCC 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     520 AAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACCTGGCGGTGGCAGACATCCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application PC/TUS9309636
Sequence 1, Application PC/TUS9309636
Sequence 1, Application PC/TUS9309636
SEQUENCE 1, Sequence 1, Application PC/TUS9309636
APPLICANT: Birkenbach, Mark
APPLICANT: Sterne, Kessler, Goldstein & Fox
STREE: 1100 New York Avenue N.W., Suite 600
CITT: Washington
STRIE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 2058;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       / Match 6.7%; Score 75; DB 2; Length 2058 Local Similarity 63.7%; Pred. No. 2.18e-38; Conservative 0; Mismatches 122; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: CDS
LOCATION: 166..1395
SEQUENCE 2058 BP; 472 A; 632 C; 504 G; 448 T; 2 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JT 3
PCT-US93-09636-1 STANDARD; DNA; UNC; 2154 BP.
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NOLAND, Greta E.
REGISTRATION NUMBER: 35,302
                                                                                                                                                             REFERENCE DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEFAX: (312) 474-6300
TELEFAX: (312) 474-6448
TELEFX: 25-3856
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 2058 base pairs
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Query Match 6.7%;
Best Local Similarity 63.7%;
Matches 221; Conservative
                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                     NAME/KEY: CDS
LOCATION: 64.
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                                                                                                                                                                                                                                                                                                                                                                                                                       382 TICCICCIGACCCTICCCTICIGGCCCTACAGCGCGGCCAA--GICC-IGGGICTICGGI 438
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 439 GICCACITITGCAAGCICAICTITGCCAICTACAAGAIGAGCITCTICAGIGGCAIGCIC 498
                                                                                                                                                                                                                                                                                                                      203 IGTGCTCCAAGAAGGACGTGCGGAACTT-TAAAGCCTGGTTCCTCCCTATCATGTACTCC 261
                                                                                                                                                                                                                                                                                                                                                                262 ATCATTTGTTTCGTGGGCCTACTGGGCAATGGGCTGGTCGTGTTGACCTATATCTATTTC 321
                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                            322 AAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACCTGGCGGTGGCAGACATCCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Godska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Gray, Patrick W.
APPLICANT: Schwelkart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCE: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                 4;
                                                                                                                                                                                                                                                                           DB 2; Length 2154;
                                                                                                                                                                                                                                                                        Score 75; DB 2; Length 2154
Pred. No. 2.18e-38;
0; Mismatches 122; Indels
COMPUTE: Floppy disk
COMPUTE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/09636
FILING DATE: herewith
CLASSIFICATION:
TELECOMMINITATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             499 CTACTICITIGCATCAGCATIGACCGCTACGIGGCCATCGICCAGGC 545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: 64..1197
SEQUENCE 2154 BP; 486 A; 647 C; 543 G; 478 T; 0 OTHER.
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PCT-US93-11153-14 STANDARD; DNA; UNC; 2160
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Sequence 14, Application PC/TUS9311153
GENERAL INFORMATION:
                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2154 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Floppy disk
                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 63.7%;
Matches 221; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                NAME/KEY: CDS
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Sequence 1, Application US/08012988A
Sequence 1, Application US/08012988A
Patent No. 5652133
GENERAL INFORMATION:
APPLICANT: Murphy, Philip M.
TITLE OF INVENTION: Cloning and Expression of Human
TITLE OF INVENTION: Marcrophage Inflammatory Protein-1 alpha (MIP-1
TITLE OF INVENTION: alpha)/RANTES Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 203 TGTGCTCCAAGAAGACGTGCGGAACTT-TAAAGCCTGGTTCCTCCTATCATGTACTCC 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    76 TGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTTGTACCGAATTGCCTACTCC 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   322 AAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACCTGGCGGTGGCAGACATCCTC 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   382 ITCCTCCTGACCCTTCCCCTTCTGGGCCTACAGCGCGGCCAA--GTCC-TGGGTCTTCGGT 438
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                439 GTCCACTTTTGCAAGCTCATCTTTGCCATCTACAAGATGAGCTTCTTCAGTGGCATGCTC 498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; Gaps
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Pred. No. 2.18e-38;
0; Mismatches 122; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               499 CTACTTCTTTGCATCAGCATTGACCGCTACGTGGCCATCGTCCAGGC 545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: 64.1197
SEQUENCE 2160 BP; 490 A; 646 C; 545 G; 479 T; 0 OTHER
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-012-988A-1 STANDARD; DNA; UNC; 2156 BP
                                                                                                                   FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                            35,302
ER: 31794
                                                                                                                                                                                                                                                                NAME: Noland, Greta E.
REGISTRATION NUMBER: 35,302
REBERENCE/DOCKET NUMBER: 3179
TELECOMMUNICATION INFORMATION:
TELEFAX: (312) 474-6300
TELEFAX: (312) 474-6408
TELEFAX: 25-3856
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2160 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      243 CAATACAAGAGGCIAAAAAACAIGACCAGCATCIACCICCIGAACCIGGCCATITCIGAC 302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         303 CIGCICTICCIGIICACGCIICCCIICIGGAICGACIACAAGIIGAAGGAIGACIGGGII 362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       183 TACTCCTTGGTATTTGTCATTGGCCTGGTTGGAAACATCCTGGTGGTCCTGGTCCTTGTG 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   423 ATCTTTTCATCATCTGCTGACGATTGACAGGTACCTGGCCATCGTCCACGC 475
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ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches 116; Indels
                                                                  COMPUTER EACHABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BM PC compatible
COMPUTER: DE PC compatible
COMPUTER: DE PC compatible
COMPUTER: DE PC COMPUTER:
COMPUTER: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/012,988A
FILING DATE: 19930128
CLASSIFICATION: A35
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Renneth A.
REGISTRATION NUMBER: 15280-118
TELECOMMUNICATION INFORMATION:
TELECHOME: 415-543-5043
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2156 base pairs
TYPE: NUCLEIC ACID
TTORNEY/EMBERS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: 63..1128
SEQUENCE 2156 BP; 538 A; 547 C; 504 G; 567 T; 0 OTHER.
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50.4%; Pred. No. 9.02e-28;
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PCT-US93-11153-23 STANDARD; DNA; UNC; 2751 BP.
                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: primer_bind
LOCATION: complement (868..884)
                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 60.4%;
Matches 177; Conservative
                                                                                                                                                                                                                                                                                                                                                            primer_bind
259..275
                        San Francisco
California
                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: CDS
                                                          94610
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                                               COUNTRY:
                        CITY: S
STATE:
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ID PC
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DE SE
CC SE
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944 AICCITITCCICCIAAIICTICCCITCIGGGCCIACAGGGAAGCCAA--GICC-IGGAIC 1000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       824 TAITCIGICAICIGCITCGIGGGCCIGCIGGCAACGGGGIGGIGAIACIGACGIACAIC 883
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APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 62; DB 2; Length 2751;
Pred. No. 1.61e-28;
0; Mismatches 105; Indels
                                                                                                                                                                                    CITY: Chicago
STATE: Chicago
STATE: Illinois
COUTRY: Chicago
STATE: Illinois
COUTRY: USA
ZIP: GOGGG
COMPUTER READABLE FORM:
MEDLUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
FILING DATE:
                                                                                                                                                                     6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: polyA_signal
LOCATION: 2341..2348
SEQUENCE 2751 BP; 651 A; 747 C; 684 G; 669 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NOLAND, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-6448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 2751 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 5.5%;
Best Local Similarity 63.1%;
Matches 185; Conservative
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692..1768
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LOCATION: 1..691
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LOCATION: 692.
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LOCATION:
                                                                                                                                                                     STREET:
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Sequence 23, Application PC/TUS9311153 Sequence 23, Application PC/TUS9311153 GENERAL INFORMATION:

Godiska, Ronald

APPLICANT:

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nucleic acid
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                                                                                                                                                         381 GACTIGCATT 390
                                                                                                                                                                                                                                                                                                                                                                         Boston
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                                                                                                                                                                                                                                                                                                                                                                        CITY: BOS
STATE: MA
COUNTRY:
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CLONE: pTZgpt-FIS
SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5.2%; Score 58; DB 1; Length 7218; 0.8%; Pred. No. 1.54e-25; ative 211; Mismatches 156; Indels
                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
                                                                                                                                                  APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
IITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
ADDRESSPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30472/114 IMMU
                                                                     US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP
                                                                                                                                                                                                                      E: Foley & Lardner
1800 Diagonal Road, Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                               EP 91 114 300.6
                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
                                                                                                                                                                                                                                                                 COUNTRY: USA
2IP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                     Sequence 14, Application US/08232463 Sequence 14, Application US/08232463 Patent No. 5670367 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29,768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 14: SEQUENCE CHARACTERISTICS: LENGTH: 7218 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (703)683-4109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
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STATE:
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321 CACGTGCAAGTIGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTGCTCT 380
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APPLICANT: the Trustees of Boston University
TITLE OF INVENTION: ANTIBODIES TO INTERLEUKIN-8 RECEPTORS AND
TITLE OF INVENTION: METHODS OF USE
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
201 GGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGACATCCTCTTTGT
                                              261 TCTTACTCTCCCATTCTGGCAGTGAGTCATGCCACTGGTGCGTGGGTTTTCAGCAATGC
                                                                                                                                                                                                                                                                                                                                                                                                                    STATE: Massachusetts
COUNTRY: U.S.A.
2.IP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OOFBRATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: WordPerfect (version 5.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03032
                                                                                                                                                                                                        JT 8
PCT-US95-03032-1 STANDARD; DNA; UNC; 1200 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/237,937
FILING DATE: 02-MAX 94
PRIOR APPLICATION NUMBER: 08/210,250
FILING DATE: 15-MAR 94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/803,842
FILING DATE: 09-DEC-91
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                         Sequence 1, Application PC/TUS9503032
Sequence 1, Application PC/TUS9503032
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07/726,606
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ATTORNEY/AGENT INFORMATION:
NAME: Fasse, J. Peter
REGISTRATION NUMBER: 32,983
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 04
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEEX: 200154
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 07, FILING DATE: 09-JUL-91 PRIOR APPLICATION DATA: APPLICATION NUMBER: 07,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
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SEQUENCE 1200 BP; 235 A; 366 C; 296 G; 301 T; 2 OTHER
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                                                                                                                      189 TITITATAAGAAGGCCAGGTCTATGACAGACGTCTATCTCTTGAACATGGCCATTGCAGA 248
                                                                                                                                                                                                  CCTGCTTTTTGCCCTGACCATGCCTATCTGGGCCGTCTC-CAAGGAAAAG-GC-TGGAT 433
                                                                                                                                                               257 CTAIGCCCIGGICTICCIGCIGAGCCIGCIGGCAACICCCIGGIGAIGCIGGICAIACI 316
                                                    Gaps
                                                                                                                                                                                                                                494 AATCCTGCTCCTGCCTGCATCAGTGTGGACCGCTACCTGGCCATTGTCCATGCTACT 551
                                                                                                                                                                                                                                          369 GAIGCIGCTCCTGACTIGCATIAGCATGGACGGGTACATGCCCATIGIACAGGGGACT 426
                                                   ë,
                                Length 1200
                                                  0; Mismatches 110; Indels
                                                                                                                                                                                                                                                                                                                    Sequence 1, Application PC/TUS9202977
Sequence 1, Application PC/TUS9202977
GENERAL INFORMATION:
APPLICANT: Navarro, Javier et al.
TITLE OF INVENTION: INTERLEUKIN-8 RECEPTORS AND TITLE OF INVENTION: METHODS NUMBER OF SEQUENCES: 5
CORRESPONDENCES: 5
CORRESPONDENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/02977
FILING DATE: 19920410
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/685,101
FILING DATE: 19920410
APPLICATION NUMBER: 07/685,101
APPLICATION NUMBER: 07/685,101
APPLICATION NUMBER: 07/685,101
APPLICATION NUMBER: 30,162
REGISTRATION NUMBER: 30,162
TOPOLOGY: linear
SEQUENCE 1200 BP; 234 A; 366 C; 295 G; 303 T; 2 OTHER
                             Score 57; DB 2;
Pred. No. 8.47e-25
                                                                                                                                                                                                                                                                                         PCT-US92-02977-1 STANDARD; DNA; UNC; 1200 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 00231/051002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: Massachusetts
COUNTRY: U.S.A.
COMPUTER RADABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: IBM P.C. DOS (Versi
                              5.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                         Query Match 5.1%;
Best Local Similarity 62.1%;
Matches 185; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Boston
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 3, Application PC/TUS9500476
Sequence 3, Application PC/TUS9500476
GENERAL INFORMATION:
APPLICANT: The Regents of the University of California TITLE OF INVENTION:
AMMALIAN MONOCYTE CHEMOATTRACTANT TITLE OF INVENTION: PROTEIN RECEPTORS
  Length 1200;
Score 53; DB 2; Length 1200
Pred. No. 7.35e-22;
0; Mismatches 112; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPOTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: TBM PC compatible
COMPUTER: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/00476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Robbins, Berliner & Carson
STREET: 201 N. Figueroa Street, 5th Floor
CITY: Los Angeles
STATE: Callfornia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            77 10
PCT-US95-00476-3 STANDARD; DNA; UNC; 1979 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Berliner, Robert
REGISTRATION NUMBER: 20,121
REFERENCE/DOCKET NUMBER: 5555
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-977-1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 1979 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Robbins, Be
Query Match 4.7%;
Best Local Similarity 61.4%;
Matches 183; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 310-977-1003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 90012-2628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE
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FEATURE:
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FILING DATE: 10-APR-91
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
                                           Query Match 4.6%;
Best Local Similarity 61.2%;
                                                              180; Conservative
           40..1161
  NAME/KEY: CDS
                                         Query Match
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                                                                                                                                                                                                      401 CITTGGGAATGCAATGTGCCAAATTATTCACAGGGCTGTATCACATCGGTTATTTTGGCGG 460
                                                                         224 CTACTCGCTGGTGTTCATCTTTGGTTTTGTGGGCAACATGCTGGTCGTCGTCTCATCTTAAT 283
                                                      Gaps
                                                                                                                                                            344 TCTGCTTTTTCTTATTACTCTCCCATTGTGGGC--TCACTC-TGCTGCAATGAGTGGGT
                                                                                                                                                                                                                                                           369 GATGCTGCTGACTTGCATTAGCATGGACGGGTACATGCATTGTACAGGC 422
                                                                                                                                                                                                                                               461 AATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATGC 514
                                                    33
                             Score 51; DB 2; Length 1979;
Pred. No. 2.10e-20;
0; Mismatches 111; Indels
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: The Regents of the University of California TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT TITLE OF INVENTION: PROTEIN RECEPTORS
LOCATION: 81..1160
SEQUENCE 1979 BP; 530 A; 435 C; 451 G; 563 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURREMY APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/00476
                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Robbins, Berliner & Carson
STRET: 201 N. Figueroa Street, 5th Floor
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                    T 11
PCT-US95-00476-1 STANDARD; DNA; UNC; 2232
                                                                                                                                                                                                                                                                                                                                            Sequence 1, Application PC/TUS9500476
Sequence 1, Application PC/TUS9500476
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Berliner, Robert
REGISTRATION NUMBER: 20,121
REFERENCE/POCKET NUMBER: 5555
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 2232 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: 310-977-1001
TELEFAX: 310-977-1003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                              Query Match 4.6%;
Best Local Similarity 61.2%;
Matches 180; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: CDNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 90012-2628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
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ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
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                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                249 CAICCICITIGITICITICICCCATICIGGGCAGIGAGICATGCCACIGGIGCGIGGGI
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Sequence 2, Application PC/TUS9503032
Sequence 2, Application PC/TUS9503032
Sequence 2, Application PC/TUS9503032
SEPERAL INFORMATION:
APPLICANT: Replien Corporation
APPLICANT: the Trustees of Boston University
TITLE OF INVENTION: ANTIBODIES TO INTERLEUKIN-8 RECEPTORS AND
TITLE OF INVENTION: METHODS OF USE
NUMBER OF SEQUENCES: 9
CORRESPONDENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                             303 TCTGCTTTTTCTTATTACTCTCCCATTGTGGGC--TCACTC-TGCTGCAATGAGTGGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          360 CITIGGGAAIGCAAIGIGCAAAITAITCACAGGGCIGIAICACAICGGIIAITIIGGCGG
                                                                                                                                                                                                                                                                                243 AAACTGCAAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGGCCATCTCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    420 AATCTICITCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATGC 473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ÷.
                                                      Score 51; DB 2; Length 2232
Pred. No. 2.10e-20;
0; Mismatches 111; Indels
SEQUENCE 2232 BP; 602 A; 464 C; 508 G; 658 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: WordPerfect (Version 5.0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JT 12
PCT-US95-03032-2 STANDARD; DNA; UNC; 1176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03032
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/210,250
FILING DATE: 15-MAR-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/803,842
FILING DATE: 09-DEC-91
PRIOR APPLICATION DATA:
APPLICATION DATA:
PILING DATE: 09-JUL-91
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/726,606
FILING DATE: 09-JUL-91
APPLICATION NUMBER: 07/685,101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/237,937
FILING DATE: 02-MAY-94
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/210,250
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225 CCTATATCCTGGTCTTCCTGCTGAGCCTGCTGGGCAACTCCCTGGTGATGCTGGTCATCC 284 285 TGTACAGCCGGAGCACCTGCTCGGTCACCGACGTCTACCTGCTGAACCTGGCCATCGCCG 344 345 ACCTGCTCTTTGCCACCACCTTGCCCATCTGGGCCGCCTC-CAAGGTGCACG-GC-TGGA 401 308 TITICAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCG 367 Sequence 3, Application PC/TUS9503032
Sequence 3, Application PC/TUS9503032
GENERAL INFORMATION:
APPLICANT: Repligen Corporation
APPLICANT: the Trustees of Boston University
TITLE OF INVENTION: ANTIBODIES TO INTERLEUKIN-8 RECEPTORS AND
TITLE OF INVENTION: METHODS OF USE
NUMBER OF SEQUENCES: 9
CORRESPONDENCES: Fish & Richardson
STREET: 225 Franklin Street Query Match 4.4%; Score 49; DB 2; Length 1373; Best Local Similarity 60.7%; Pred. No. 5.83e-19; Matches 181; Conservative 0; Mismatches 114; Indels CITY: Boston
STRATE: Massachusetts
COUNTR: U.S.A.
2IP: 02110-2804
COMPUTER READABLE FORM:
WEDIUM TYPE: 3.5 Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: WORDER: FECT (Version 5.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03032 TOPOLOGY: linear SEQUENCE 1373 BP; 266 A; 437 C; 329 G; 335 T; 6 OTHER NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REPERENCE/POCKET NUMBER: 00231/051002
TELECOMMUNICATION INFORMATION:
TELEPRAN: (617) 542-5070
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARATERISTICS: T 14 PCT-US95-03032-3 STANDARD; DNA; UNC; 1373 BP 07/685,101 10, 1991 CLASSIFICATION: PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/237,937 FILING DATE: APT11 10, 1: ATTORNEY/AGENT INFORMATION: LENGTH: 1373
TYPE: NUCLEIC ACID
STRANDEDNESS: single APPLICATION NUMBER: Query Match XXXXXX RESULT 88888888888888888888888 셤 ò g g à ò ñ

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Search completed: Sat Nov 14 00:39:04 1998 Job time: 145 secs.
                                              COMPUTER READABLE FORM:
                                                                              MEDIUM TYPE:
                          94080
     COUNTRY:
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Sequence 2, Application US/08202056
Sequence 2, Application US/08202056
C Patent No. 5440021
C GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Hebert, Caroline
APPLICANT: Hebert, Caroline
APPLICANT: Lee, James
TITLE OF INVENTION: Antibodies to Human IL-8 Type B Receptor
CORRESPONDENCE S 8
ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        462 GAATCCTGCTCCTGGCCTGCATCAGTGTGGACCGCTACCTGGCCATCGTCCATGCCAC 519
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
SEQUENCE 1373 BP; 266 A; 437 C; 329 G; 335 T; 6 OTHER.
                                                                                        PELLING DATE: 17 TARK 34

APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: 07/803,842

FILING DATE: 09-DEC-91

PRIOR APPLICATION NUMBER: 07/26,606

FILING DATE: 09-JUL-91

RIOR APPLICATION NUMBER: 07/685,101

APPLICATION NUMBER: 07/685,101

ATTONNEY/AGENT INFORMATION:

NAME: FASSE, J. PECET

REGISTRATION NUMBER: 32,983

REGISTRATION NUMBER: 32,983

RECISTRATION NUMBER: 32,983

RECISTRATION NUMBER: 32,983

RELECOMMUNICATION INFORMATION:

TELECOMMUNICATION 1NFORMATION:

TELEPRANE: (617) 542-5070

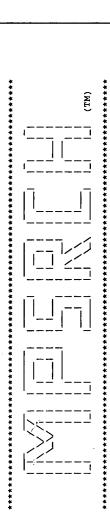
TELEPRANE: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /T 15
US-08-202-056-2 STANDARD; DNA; UNC; 1883 BP
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STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/210,250
FILING DATE: 15-MAR-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 200154
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
  FILING DATE: 02-MAY-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 60.7%;
Matches 181; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
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130 ATCGCCTATGCCCTAGTGTTCCTGCTGAGCCTGGTGGAAACTCCCTGGTGATGCTGGTC 189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 49; DB 1; Length 1883;
Pred. No. 5.83e-19;
0; Mismatches 116; Indels 3; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
SEQUENCE 1883 BP; 408 A; 528 C; 472 G; 475 T; 0 OTHER
E: 5.25 inch, 360 Kb floppy disk
IBM PC compatible
                                 OPERATING SYSTEM: FC-LOCALDS COFTER SOFTWARE: patin (denentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,056
FILING DATE: 25-FEB-1994
CLASSIFICATION A16
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706P3
TELEFRANCE/TON INFORMATION:
TELEFRANCE/10/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1883 bases
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 60.6%;
Matches 183; Conservative
                   COMPUTER: IBM PC OPERATING SYSTEM:
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7



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n.a. - n.a. database search, using Smith-Waterman algorithm MPsrch_nn Sat Nov 14 00:39:25 1998; MasPar time 901.46 Seconds 1314.048 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-9 (1-1119) from US08887977.seq 1119 Title:

......AGAAAGCTGAGTCTCCCTAA 1119 1 ATGITITCGACTCCAGTGAA. TACAAAAGCTGAGGTCACTT. Description: Perfect Score: N.A. Sequence: Comp:

TABLE default Gap 6 Scoring table:

Dbase 0; Query 0 STD : Nmatch 1639711 seqs, 529296662 bases x 2 Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

Database:

n-pending 1:P9 2:U6000 3:U6001 4:U6002 5:U6003 6:U6004 7:U6005 8:U6006 9:U6007 10:U6008 11:U7 12:U80 13:U81 14:U82 15:U83 16:U84A 17:U84B 18:U85 19:U86 20:U87 21:U88 22:U89 23:U90A 24:U90B 25:U91 26:NEWP 27:NEWU6 28:NEWU7 29:NEWU8 30:NEWU9

Mean 10.319; Variance 3.340; scale 3.090 Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

CITAMABLES

DB ID Description 19 US-08-675 Sequence 72 US-08-677 Sequence 72 US-08-09-023 Sequence 92 US-09-013 Sequence 92 US-09-013 Sequence 92 US-08-046 Sequence 11 US-08-446 Sequence 1					SUMMARIES		
Score Match Length DB ID Descripting Match Length DB ID Descripting 1119 100.0 1119 21 US-08-675- Sequence 7 1104 98.7 1255 23 US-09-023- Sequence 1104 98.7 1255 23 US-09-023- Sequence 1070 95.6 1137 23 US-09-013- Sequence 1070 95.6 1137 23 US-09-013- Sequence 1070 95.6 1137 23 US-09-104- Sequence 1070 95.6 1137 23 US-08-614- Sequence 108-08-6146- Sequence 108-08-618- Sequence 108-08-	+1		æ ?				
1119 100.0 1119 19 US-08-675- Sequence 2 1119 100.0 1119 21 US-08-875- Sequence 3 1104 98.7 1255 23 US-09-023- Sequence 5 1070 95.6 1137 23 US-09-016- Sequence 6 246 22.0 375 20 US-09-023- Sequence 7 96 8.6 578 19 US-08-624- Sequence 10 76 6.8 383 16 US-08-446- Sequence 11 76 6.8 383 16 US-08-446- Sequence 11 76 6.8 383 15 US-08-446- Sequence 11 75 6.7 1500 23 US-08-446- Sequence 11 75 6.7 1500 23 US-08-446- Sequence 11 75 6.7 1500 23 US-08-446- Sequence 11 75 6.7 1900 14 US-08-245- Sequence 11 75 05 05 05 05 05 05 05 05 05 05 05 05 05	No.	Score	- ,_	Length DB		Description	Pred. No.
2 1119 100.0 1119 21 US-08-887- Sequence 3 1104 98.7 1255 23 US-09-023- Sequence 5 1070 95.6 1137 23 US-09-016- Sequence 5 246 22.0 375 20 US-08-624- Sequence 6 246 22.0 375 20 US-08-624- Sequence 9 76 6.8 383 16 US-08-646- Sequence 10 76 6.8 383 16 US-08-446- Sequence 11 76 6.8 383 15 US-08-311- Sequence 11 76 6.8 383 15 US-08-311- Sequence 11 76 6.8 383 15 US-08-451- Sequence 11 75 6.7 1500 23 US-09-023- Sequence 11 75 6.7 1500 23 US-09-023- Sequence 11 75 6.7 1900 14 US-08-245- Sequenc	1	1119	100.0	1119 19	US-08-675-	Sequence 7, Applicatio	0.00e+00
3 1104 98.7 1255 23 US-09-023- Sequence 5 1104 98.7 1579 23 US-09-016- Sequence 5 246 22.0 375 20 US-09-016- Sequence 6 246 22.0 375 20 US-08-76- Sequence 7 96 8.6 578 19 US-08-569- Sequence 9 7 6 6.8 383 16 US-08-446- Sequence 10 76 6.8 383 16 US-08-446- Sequence 11 76 6.8 383 15 US-08-446- Sequence 11 76 6.8 383 15 US-08-416- Sequence 11 76 6.8 383 15 US-08-416- Sequence 11 76 6.8 383 15 US-08-416- Sequence 11 76 6.8 383 15 US-08-45- Sequence 11 76 6.8 383 15 US-08-45- Sequence 11 76 6.8 383 15 US-08-45- Sequence 11 75 6.7 1500 23 US-09-023- Sequence 11 75 6.7 1900 14 US-08-245- Sequence 11 75 05 05 05 05 05 05 05 05 05 05 05 05 05	7	1119	٠.	1119 21	US-08-887-	Sequence 9, Applicatio	0.00e+00
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8 96 8.6 578 18 US-08-569- Sequence 10 76 6.8 383 16 US-08-446- Sequence 11 76 6.8 383 16 US-08-446- Sequence 11 76 6.8 383 15 US-08-446- Sequence 11 76 6.8 383 17 US-08-446- Sequence 11 76 6.8 383 17 US-08-451- Sequence 11 76 6.8 383 17 US-08-451- Sequence 11 75 6.7 1900 14 US-08-245- Sequence 11 75 6.7 1900 14 US-08-245- Sequence 11 75 6.7 1900 14 US-08-245- Sequence 11 10 0.	7	96	8.6	578 19	US-08-624-	Sequence 14, Applicati	2.29e-80
9 76 6.8 383 16 US-08-446- Sequence [10 76 6.8 383 16 US-08-446- Sequence [11 76 6.8 383 15 US-08-346- Sequence [12 76 6.8 383 15 US-08-31- Sequence [13 76 6.8 383 17 US-08-45- Sequence [14 76 6.8 383 16 US-08-45- Sequence [15 75 6.7 1900 14 US-08-245- Sequence [16 75 6.7 1900 14 US-08-245- Sequence [16 75 6.7 1900 14 US-08-245- Sequence [17 16 0.8 1	8 0	96	8.6	578 18	us-08-569-	14,	2.29e-80
10 76 6.8 383 16 US-08-446- Sequence E 11 76 6.8 383 15 US-08-416- Sequence E 13 76 6.8 383 17 US-08-311- Sequence E 14 76 6.8 383 17 US-08-451- Sequence E 14 76 6.8 383 16 US-08-446- Sequence E 15 75 6.7 1900 14 US-08-245- Sequence E 16 75 6.7 1900 14 US-08-245- Sequence E	6	92	6.8	٠.	US-08-446-	8,	1.19e-56
11 76 6.8 383 16 US-08-446- Sequence [12 76 6.8 383 17 US-08-451- Sequence [14 76 6.8 383 17 US-08-451- Sequence [14 76 6.8 383 16 US-08-446- Sequence [15 75 6.7 1900 14 US-08-245- Sequence [15 75 6.7 1900 14 US-08-245- Sequence [16 75 6.7 1900 14 US-08-245- Sequence [17 0.4 US-08-245- Sequence [18 0.4 US-08-	c 10	16	6.8	٠.	US-08-446-	Sequence 8, Applicatio	1.19e-56
12 76 6.8 383 15 US-08-311- Sequence E 13 76 6.8 383 17 US-08-451- Sequence E 14 76 6.8 383 16 US-08-446- Sequence E 5 6.7 1500 23 US-09-023- Sequence I 5 75 6.7 1900 14 US-08-245- Sequence I 5 6.7 1900 14 US-08-245- Sequence I	c 11	16	6.8	٠.	US-08-446-	8	1.19e-56
17 US-08-451- Sequence E 16 US-08-446- Sequence E 23 US-09-023- Sequence I 14 US-08-245- Sequence I	c 12	16	6.8	383 15	US-08-311-	· ω	1.19e-56
16 US-08-446- Sequence E 23 US-09-023- Sequence 1 14 US-08-245- Sequence 1	c 13	16	6.8	383 17	US-08-451-	8, 7	1.19e-56
23 US-09-023- Sequence 1 14 US-08-245- Sequence 1	c 14	9/	6.8	383 16	US-08-446-	8	1.19e-56
14 US-08-245- Sequence	15	75	6.7	1500 23	US-09-023-	Sequence 1465, Applica	1.74e-55
	16	75	6.7	1900 14	US-08-245-	Sequence 18, Applicati	1.74e-55

75 6.7 2058 11 US-07-977 Sequence 6, Applicatio 1.74e-55 9 75 6.7 2058 14 US-08-45- Sequence 1, Applicatio 1.74e-55 9 75 6.7 2154 11 US-07-980 Sequence 1, Applicatio 1.74e-55 11 US-07-980 Sequence 1, Applicatio 1.74e-55 12 2154 11 US-07-980 Sequence 1, Applicatio 1.74e-55 12 2154 11 US-07-980 Sequence 1, Applicatio 1.74e-55 12 2154 12 US-08-980 Sequence 1, Applicatio 1.74e-55 12 12 2154 23 US-09016 Sequence 1094, Applicatio 1.74e-55 12 2154 23 US-09-016 Sequence 1094, Applicatio 5.61e-44 20 US-08-446 Sequence 1095, Applicatio 1.04e-41 20 US-08-446 Sequence 1095, Applicatio 1.06e-39 119 US-08-446 Sequence 1190, Applicatio 1.06e-3	ALIGNMENTS US-08-675-814-7 STANDARD; DNA; UNC; 1119 BP. XXXXX Sequence 7, Application US/08675814 Sequence 7, Application US/08675814 Sequence 7, Application US/08675814 Sequence 7, Application US/08675814 GENERAL INFORMATION: APPLICANT: Giah, Thomas J. APPLICANT: Giah, Thomas J. APPLICANT: LOTOLIK, Alabert ITILE OF INVENTION: MAMMALIAN CHEMOKINE REAGENTS NUMBER OF SEQUENCES: 14 CORRESPONDENCES: 14 CORRESPONDENCES: 14 CORRESPONDENCES: 16 COMPUTER: DNAX Research Institute STREET: 901 California Avenue CITY: Pala Alto STREET: 901 California Avenue CUNTRY: USA ZIP: 94304-1104 COMPUTER: ELEPPORT COMPATION COMPUTER: PATENTIN Release #1.0, Version #1.30 CURRENT APPLICATION NUMBER: US/08/675,814 FILING DATE: 01-1996 CLASSIFICATION: 435 ATORESPONDES: 01-1996 CLASSIFICATION: WEBER: US/08/675,814 FILING DATE: 01-101-1996 CLASSIFICATION: WEBER: US/08/675,814 FILING DATE: 01-101-1996 CLASSIFICATION: WEBER: US/08/675,814 FILERDRING: 415-46-1200 INFORMATION NUMBER: DX0589 TELECOMMUNICATION NUMBER: US/08/675 INFORMATION FOR SEQ ID NO: 7: SEQUENCE CLABRACTERISTICS: LEBROR: 1119 Dasse Pater TYPE: nucleic acid
0 0 111122222222222222222222222222222222	## ## ## ## ## ## ## ## ## ## ## ## ##

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                                                                                                                                                                                                                                          181 ACCITIGCITITIATAAGAAGGCCAGGICTAIGACAGACGICIAICTCTIGAACAIGGCC
                                                                                                                                                                                                                                                                                 241 ATTGCAGACATCCTCTTTGTTCTTACTCTCCCATTCTGGGCAGTGAGTCATGCCACTGGT
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                                                                                                    ó
                                                                                Length 1119;
                                                                                                  0; Indels
                                               LOCATION: 1..1098
SEQUENCE 1119 BP; 262 A; 268 C; 257 G; 332 T; 0 OTHER.
                                                                              Score 1119; DB 19;
Pred. No. 0.00e+00;
0; Mismatches 0;
                                                                             Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 1119; Conservative
  single
         TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                         301
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ATCTTGAAGGACCTGTGGTGTGTGAAGGAAGTACAAGTCCTCAGGCTTCTCCTGTGCC
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LOCATION: 1..1095
SEQUENCE 1119 BP; 262 A; 268 C; 257 G; 332 T; 0 OTHER.
                                                                                                                                                                                                                                                                                                 APPLICANT: Wang, Wei
APPLICANT: Wang, Wei
APPLICANT: Glsh, Kurt C.
APPLICANT: Schall, Thomas J.
APPLICANT: Vicari, Albart
APPLICANT: Zlotnik, Albart
TITLE OF INVENTION: MAMMALIAN CHEMOKINE REAGENTS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,977
FILING DATE: 03-JUL-1997
                                                                                                                                           1081 TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA 1119
                                                                                                                                                          1081 TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA 1119
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Best Local Similarity 100.0%; Pred. No. 0.00e+00;
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PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNDRER:
FILING DATE:
APPLICATION DATA:
APPLICATION NUMBER:
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FILING DATE:
APPLICATION NUMBER:
REGISTRATION NUMBER:
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REGISTRATION NUMBER:
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REGISTRATION NUMBER:
TELECOMMUNICATION:
TELEPHONE:
650-652-9192
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US-08-887-977-9 STANDARD; DNA; UNC; 1119
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901 California Avenue
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Sequence 9, Application US/08887977
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INFORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS:
LENGTH: 1119 base pairs
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STATE: California
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CLONE: 91668737
SEQUENCE 1255 BP; 302 A; 294 C; 284 G; 375 T; 0 OTHER.
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERALING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS
CURRENT APPLICATION DATA:
                 1081 TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA 1119
1081 TCGTCCTTCACTATGTGATAGAAAGCTGAGTCTCCCTAA 1119
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Pred. No. 0.00e+00;
0; Mismatches 4;
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NAME: Zeller, Karen J.
REGISTATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 845-4166
INFORMATION FOR SEQ ID NO: 993:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                    E: INCYTE PHARMACEUTICALS,
3174 PORTER DRIVE
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                                                                                                                                                                                                                             APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FO
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                     Sequence 993, Application US/09023655
Sequence 993, Application US/09023655
GENERAL INFORMATION:
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Local Similarity 99.6%;
Nes 1114; Conservative
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STRANDEDNESS: single
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STREET: 3174 PORTER
CITY: PALO ALTO
STATE: CALIFORNIA
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CLASSIFICATION:
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US-09-023-655-993
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US-09-016-434-1097 STANDARD; DNA; UNC; 1679
                                         Sequence 1097, Application US/09016434 Sequence 1097, Application US/09016434 GENERAL INFORMATION:
                                                                          Janice Au-Young
                                                                           APPLICANT:
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APPLICANT: Jeffrey J. Seilhamer
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     AACTGCGGGATGCTCCTCCTGACTTGCATTAGCATGGACCGGTACATCGCCATTGTACAG
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TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING TITLE OF INVENTION: PATHWAY GENE EXPRESSION NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS: ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             316 ATTCTGAGATGTTACTGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTGTAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 ATTCTGAGATGTTACTGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTTGTAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        555 GCGTGGGTTTTCAGCAATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTT
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SEQUENCE 1679 BP; 404 A; 385 C; 381 G; 509 T; 0 OTHER
                                                                                                                                                                                                                                                                     OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 98.7%; Score 1104; DB 23; Best Local Similarity 99.6%; Pred. No. 0.00e+00; Matches 1114; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: PA-0002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 845-055
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1097:
SEQUENCE CHARACTERISTICS:
LENGTH: 1679 base pairs
                                                                                                                                                                                                                                                                                                                                     US/09/016,434
                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: 2eller, Karen J.
REGISTRATION NUMBER: 37,071
                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 single
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                                                                                                                                                                                    ZIP: 94304
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PA-0001 US
                       UMBER: US/09/023,655
HEREWITH
OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Word Perfect 6.1 for N
                                                                                        ATTORNET/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGIETRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0(
TELEPCOMMUNICATION INFORMATION:
TELEPHONE: (650) 845-4166
INFORMATION FOR SED ID NO: 970:
SEQUENCE CHARACTERISTICS:
LENGTH: 1137 base pairs
                                                                                                                                                                                                                                       CLONE: 91515434
SEQUENCE 1137 BP; 263 A; 270
                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: HEREWITH
CLASSIFICATION:
                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 98.6%;
Matches 1095; Conservative
                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                            linear
                                                                                                                                                                                                                               GENBANK
                                                                                    CLASSIFICATION:
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                                                                          FILING DATE
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Sequence 970, Application US/09023655
GENERAL INFORMATION:
APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Offfrey J. Seilhamer
TITLE OF INVERTION: EXPRESSION
INVERTE OF INVERTION: EXPRESSION
INVERTE OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCITE PHARMACEUTICALS, INC.
                                                                                                                                                                                                                                                                                                                 1214
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                                                        AACACCCAAGGCAGCGATGTCTGTGAACCCAAGTACCAGACTGTCTCGGAGCCCATCAGG
                                                                                             TGGAAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTC
                                                                                                                                 CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTGTTTCTGGCTTGTCAGATTCCT
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                                               GTTGTGGGGGCTGTCAGTCATCACTCCAGCTCAACTTTTGTCTTCAACCAAAATAC
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IBM PC compatible
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COMPUTER: IN
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CITY: PA
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Windows/MS-DOS
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Pred. No. 0.00e+00;
0; Mismatches 13;
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Sequence 3273, Application US/08706765
Sequence 3273, Application US/08706765
GENERAL INFORMATION:
APPLICANT: Stuart, Susan G.
APPLICANT: Lane, John C.
APPLICANT: Lane, John C.
APPLICANT: Snable, James I.
TILLE OF INVENTION: POLYNUGLEOTIDES AND POLYPEPTIDES DERIVED FROM HUMAN TITLE OF INVENTION: POLYNUGLEOTIDES AND FOLYBERIONE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACUTICALS, INC.
STREET: 3174 PORTER DRIVE
                                                                                                                                                                                   1048 GGGAGGTACTCAGAAAACATTTCTCGGCAGACCAGTGAGACCGCAGATAACGACAATGCC 1107
                                                                                                                                                                                                                                  1021 GGGAGGTACTCCAGAAACATTTCTCGGCAGACCAGTGAGACCGCAGATAACGACAATGC- 1079
                                                                                                                    807
                                                               748 CACAAAGCCATCCGTGTAATCATAGCTGTGGTGCTTGTGTTTTCTGGCTTGTCAGATTCCT
                       688 ATGATATTTTGTTACACGTTCATTGTCAAAACCTTGGTGCAAGCTCAGAATTCTAAAAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2 CURRENT APPLICATION DATA:
APPLICATION UNDBER: US/08/706,765
FILING DATE: HEREWITH
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/004,808
FILING DATE: SEPTEMBER 29, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                  CAUDRESS:

- ALDRESS:

STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
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US-08-706-765-3273 STANDARD; DNA; UNC; 375 BP.
                                                                                                                                                                                                                                                            1080 GTCGTCCTTCACTATGTGATAGAAAGCTGA 1109
                                                                                                                                                                                                                                                  1108 GTCGTCCTTCACTATGTGATAGAAAGCTGA 1137
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39,132
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: CERRONE, MICHAEL REGISTRATION NUMBER: 39
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                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 14, Application US/08624190
C Sequence 14, Application US/08624190
C GENERAL INFORMATION:
APPLICANT: RAVANAUGH PH.D., MICHAEL
APPLICANT: POT PH.D., DAVID
APPLICANT: WILLIAMS PH.D., LEWIS T.
TITLE OF INVENTION: SIGNALLING INOSITOL POLYPHOSPHATE
TITLE OF INVENTION: 5-PHOSPHATASE
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: CHIRON CORPORATION
STRRET: EMERYVILLE
CITY: EMERYVILLE
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                                                                                                                                                                                                                                                                                              Length 375;
                                                                                                                                                                                                                                                                                                                                  2; Indels
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ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/624,190
                                                                                                                                                                                                              IMMEDIATE SOURCE:
CLONE: 319589
SEQUENCE 375 BP; 103 A; 83 C; 93 G; 94 T; 2 OTHER.
                                                                                                                                                                                                                                                                                          Score 246; DB 20;
Pred. No. 4.84e-269;
                                                                                                                                                                                                                                                                                                                                  0; Mismatches
REFERENCE/DOCKET NUMBER: PD-0067 US
TELECHONUTICATION INCORMATION:
TELEPHONE: (415) 855-0555
TELEFAX: (415) 845-4166
INFORMATION FOR SEQ ID NO: 3273:
SEQUENCE CHARACTERISTICS:
LENGTH: 375 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 1182.003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: GREEN, GRANT
REGISTRATION NUMBER: 31,259
                                                                                                                                                                                                                                                                                          Query Match
22.0%;
Best Local Similarity 99.2%;
Matches 246; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1112 CTCCCTAA 1119
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,578
FILING DATE: 08-DEC-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: GREEN, GRANT
REGISTRATION NUMBER: 31,259
                                                                                                                                                                                                                                                                                                                                                                                TOPOLGGY: linear MOLECULE TYPE: protein SEQUENCE 578 BP; 37 A; 11 C; 62 G; 65 T; 403 OTHER.
                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: .1182.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-601-655-3542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : :: | | ::: :::: ::: ::| 255 GAGGATGT-CTGCAATGGCCATGTTCAAG 228
                                                                                                                                                                                                                                                                                          TELEFAX: 510-601-655-3542
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 578 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
: 4560 HORTON STREET EMERYVILLE
                                                                                        Floppy disk
                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                          94608
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                                              COUNTRY:
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Sequence 14, Application US/08569578
Sequence 14, Application US/08569578
GENERAL INFORMATION:
APPLICANT: RAVANAUGH PH.D., MICHAEL
APPLICANT: POT PH.D., LEWIS T.
TITLE OF INVENTION: IDENTIFICATION, CLONING, AND USE OF
TITLE OF INVENTION: SHC-ASSOCIATED INOSITOL POLYPHOSPHATE 5-PHOSPHATASE
TITLE OF INVENTION: (SAPTASE)
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241 RRKVHTATYRRTRDKYAYTKKATGMKYNSWCDRVWKSYVHVVCSYGSTSDMTSDHSVATA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GVTSVSKNGGTVDSGRCYATKTKSTKYHSSCSVKSGNGSGVVKGTKKSDYDHS-KSSDSD 359
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                                                                                                                                                                                                                                                                                             63 GSDKYSHKKKSKNKVVTKKRKYVADSKKRGCMKNKHS-DMTGTWNMGNAKKTSWSKGGKT 121
                                                                                                                                                                                                                                    3 SARVRISSRDSGRRVGANNMVSKSISSSDKVKAHGSHRSVIVKASGKMKVDVSGKKKSKD 62
                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                             433 ATGACTTAGTCGCCTGTACAATGGCGATGTACCGGTCCATGCTAATGCAAGTCAGGAGCA
                                                                                                                                                                                                       7;
                                                                                                                                                                      Query Match

8.6%; Score 96; DB 19; Length 578;
Best Local Similarity 12.7%; Pred. No. 2.29e-80;
Matches 72; Conservative 264; Mismatches 226; Indels
                                                                                                                              MOLECULE TYPE: protein
SEQUENCE 578 BP; 37 A; 11 C; 62 G; 65 T; 403 OTHER.
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            TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 578 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 TELECOMMUNICATION INFORMATION
                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                                                  TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         360 SYGGCARATIYTHHGTGHGKTSGKTRKYDVKTRDSSGKTKSTSHDMKWVTSRACSGSST 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             420 NNYMGVGGMHVKTSDTAWSYDKDSGCRGSTGSKKSTANRGRTSRSDGKNAGDTDTKMNYG 479
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                                                                                                                                                                                        792 GACCATGTTATGAGGAATCTGACAAGCCAGAACACACAAGCACCACAGCTATGA-TTACAC 734
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          493 GCCCCCACACAACAAGGCAGATGATTTTGCTGCGCGGTAGTGTTCTGGATCGGAGCCGGA 434
                                                                                                                             3 SARVRISSRDSGRRVGANNAVSKSISSSDKVKAHGSHRSVIVKASGKMKVDVSGKKKSKD 62
                                                                     7; Gaps
                                                                                                                                                                                                                                                                                              182 VSMNGTSGVNSHTSGSK-KRRNNYMNRAGDKKSNTHRTHWGDNYRVDTWATKKYADSHDT
Query Match 8.6%; Score 96; DB 18; Length 578; Best Local Similarity 12.7%; Pred. No. 2.29e-80; Matches 72; Conservative 264; Mismatches 226; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              540 KSRSNTTTRVKSAVHHSKGRDYRDNTHHG 568
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249 GTCTGCAATGGCCATGTTCAAGAGATAGACGTCTGTCATAGACCTGGCCTTCTTATAAAA 190
309 AACCCAGGCACCAGTGGCATGACTGACTGCCCAGAATGGGAGAGTAAGAACAAAAGAGAT 250
                                            256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16 HVWTRASTHVKSVNNDMVTDNNGAVKCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                       189 AGCAAAGGTGATCACC-ACCAGAATATTCCCCAGGAGGCCAAGAACACAGATCAAGGAG 132
                                                                                                                                                                                                                                                                                 APPLICANT: Wang, Xiao-Fan
APPLICANT: Wang, Xiao-Fan
APPLICANT: Walhberg, Robert A.
APPLICANT: Weinberg, Robert A.
APPLICANT: Lodish, Harvey F.
ITLE OF INVENTION: Toff- Type Receptor CDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 383;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6.8%; Score 76; DB 16; Length 383, 11.1%; Pred. No. 1.19e-56; attive 172; Mismatches 143; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYETEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER.
                                                                                                                                                                                 JT 10
US-08-446-938-8 STANDARD; DNA; UNC; 383 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/786,063
FILING DATE: 31-OCT-1991
CLASSIFICATION: 530
ATTONNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 33,201
REGISTRATION NUMBER: 33,201
REGISTRATION NUMBER: 33,201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: WH191-09FZ
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,938
                                                                                                                                                                                                                                        Sequence 8, Application US/08446938 Sequence 8, Application US/08446938 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 383 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 11.1%;
Matches 40; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Lexington
STATE: Massachus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCGCAGTHAAAGTTGATGGCATAGATGCCTTTTAGCAACTT-GCACGTGGCATTGCTGAA 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       136 STWTGKTRKMSHCADDRSDSSTCANNNHNTDTVGKGRAVYKAKKNTSTVAVKYDHYASWK 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16 HVWTRASTHVKSVNNDMYTDNNGAVRCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 383;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       / Match 6.8%; Score 76; DB 16; Length 383; Local Similarity 11.1%; Pred. No. 1.19e-56; Loservative 172; Mismatches 143; Indels
                                                                                                                                                                                            Type Receptor cDNAs Encoded
                                                                                                                             APPLICANT: Lin, Herbert Y.
APPLICANT: Wang, Xiao-Fan
APPLICANT: Wang, Xiao-Fan
APPLICANT: Welnberg, Robert A.
APPLICANT: Lodish, Heryey F.
TITLE OF INVENTION: TGF- Type Receptor CDNAs Encode
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER.
                                    US-08-446-939-8 STANDARD; DNA; UNC; 383 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WH191-09FX
TELEPHONE: 617-861-6240
TELEPHONE: 617-861-6540
                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/786,063
FILING DATE: 31-0CT-1991
CLASSIFTCATION: 530
                                                                                   Sequence 8, Application US/08446939
Sequence 8, Application US/08446939
GENERAL INFORMATION:
APPLICANT: Lin, Herbert Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 383 base pairs TYPE: nucleic acid cmbanneDNESS: double
                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                 COUNTRY: U.S.A. ZIP: 02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 31 CLASSIFICATION:
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Best Local 9
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            TTVCHDKYHDDAASKCMKKKKGTMCSCSSDCNDNSYNTSNDVVTGSGVASVYCYRVNRKS 135
                            368 CCGCAGTTAAAGTTGATGGCATAGATGCCTTTTAGCAACTT-GCACGTGGCATTGCTGAA 310
                                                                                                                            196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                             309 AACCCAGGCACCAGIGGCATGACTGACTGCCCAGAATGGGAGAGTAAGAACAAAGAGGGT 250
                                                                                                                                                                                     256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
                                                                                                                                                                                                      315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
                                                                     136 STWTGKTRKMSHCADDRSDSSTCANNNHNTDTVGRGRAVYKAKKNTSTVAVKYDHYASWK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STRATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/446,936
                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Lin, Herbert Y.
APPLICANT: Wang, Xiao-Fan
APPLICANT: Weinberg, Robert A.
APPLICANT: Lodish, Harvey F.
TITLE OF INVENTION: TGF- TYPE Receptor CDNAS ITILE OF INVENTION: Products and Uses Therefor
                                                                                                                                                                                                                                                                                                                                US-08-446-936-8 STANDARD; DNA; UNC; 383 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 07/786,063
FILING DATE: 31-CT-1991
CLASSIFICATION: 530
ATTONNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REDENENCE/DOCKET NUMBER: WH191-09FY
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-6240
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Sequence 8, Application US/08446936
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 383 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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                                                                                                                                                                                                                                   #87 ACCAACAAGGCAGAIGAITIIGCIGGGGGGAGTGTICIGGAICGGAGCCG-GAAIGAC 429
                                                                                                                                                                                                                                                                                                          76 ITVCHDKYHDDAASKCMKKKKGTMCSCSSDCNDNSYNTSNDVVTGSGVASVYCYRVNRKS 135
                                                                                                                                                                                                                                                                                                                                                                                                                    136 STWIGKIRKMSHCADDRSDSSICANNNHNIDIVGKGRAVYKAKKNISIVAVKYDHYASWK 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
                                                                                                                                                                                              16 HVWTRASTHVKSVNNDMVTDNNGAVKCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
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                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                            APPLICANT: Lin, Herbert Y.
APPLICANT: Wang, Xiao-Fan
APPLICANT: Wang, Xiao-Fan
APPLICANT: Wang, Xiao-Fan
APPLICANT: Lodish, Harvey F.
TITLE OF INVENTION: TGF-Beta Type Receptor cDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
TITLE OF INVENTION: Broducts and Uses Therefor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STREET: Massachusetts
                                                                                        Length 383;
                                                                               Score 76; DB 16; Length 383
Pred. No. 1.19e-56;
172; Mismatches 143; Indels
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MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER
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US-08-311-703-8 STANDARD; DNA; UNC; 383 BP
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CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/786,063
FILING DATE: 31-0cr-1991
ATTORNEY/AGENT INFORMATION:
NAME: Grandhan, Petricia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WHI91-09
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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                                                                                  Match 6.8%;
Local Similarity 11.1%;
les 40; Conservative 1
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OPERATING SYSTEM:
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                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                  487 ACACAACAAGGCAGATGATTTTGCTGCGCGGTAGTGTTCTGGATCGGAGCCG-GAATGAC 429
                                                                                                                                                                        76 TIVCHDKYHDDAASKCMKKKKGIMCSCSSDCNDNSYNTSNDVVTGSGVASVYCYRVRKS 135
                                                                                                                                                                                                                                                           196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                                                                                                                                                                                   256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
                                                                                                                              16 HVWTRASTHVKSVNNDMVIDNNGAVKCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                             315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
                                                                                                                                                                                                                                                                                                                                                           Gaps
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APPLICANT: Wang, Xiao-Fan
APPLICANT: Weinberg, Robert A.
APPLICANT: Weinberg, Robert A.
APPLICANT: Weinberg, Robert A.
TITLE OF INVENTION: TGF- Type Receptor cDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
RADDRESSEE: Hamilt
                                                                                      Length 383
                                                                                    Query Match 6.8%; Score 76; DB 15; Length 383
Best Local Similarity 11.1%; Pred. No. 1.19e-56;
Matches 40; Conservative 172; Mismatches 143; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: Massachusetts
COUNTRY: U.S. A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/451,946
                                        TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER.
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US-08-451-946-8 STANDARD; DNA; UNC; 383 BP
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
CLASSIFICATION: 530
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APPLICATION NUMBER: US 07/786,063
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Sequence 8, Application US/08451946
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-
SEQUENCE CHARACTERISTICS:
LENGTH: 383 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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76 TTVCHDKYHDDAASKCMKKKKGTMCSCSSDCNDNSYNTSNDVVTGSGVASVYCYRVNRKS 135
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DRKDSDNKHNTARKTGRYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             309 AACCCAGGCACCAGTGGCTACTGCACTGCCCAGAATGGGAGAGTAAGAACAAAGAGGGT 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    256 SSNVKNDTCCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKTDVYSMAVWMTSRCNA 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16 HVWTRASTHVKSVNNDMVTDNNGAVKCKCDVRSTCDNKSCMSNCSTSCKVCVAVWRKNDN 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          189 AGCAAAGGTGATCACC-ACCAGAATATTCCCCAGGAGGCCAAGAACACACAGATCAAGGAG 132
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 8, Application US/08446937
Sequence 8, Application US/08446937
GENERAL INFORMATION:
APPLICANT: Lin, Herbert Y.
APPLICANT: Weinberg, Robert A.
APPLICANT: Weinberg, Robert A.
TITLE OF INVENTION: TGF- Type Receptor CDNAs Encoded TITLE OF INVENTION: Products and Uses Therefor UNDERROS: SCORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 6.8%; Score 76; DB 17; Length 383; Best Local Similarity 11.1%; Pred. No. 1.19e-56; Matches 40; Conservative 172; Mismatches 143; Indels
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PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER
             CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WH191-09FV
TELECOMMUNICATION INFORMATION:
TELEFHONE: 617-861-6240
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US-08-446-937-8 STANDARD; DNA; UNC; 383 BP
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
SOFTWARE: PATENTIN Release #
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31-0CT-1991
                                                                                                                                                                                                     TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                          LENGTH: 383 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: Two Militia |
CITY: Lexington
STATE: Massachusetts
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02173
FILING DATE:
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Search completed: Sat Nov 14 01:13:28 1998
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APPLICANT: Susan G. Stuart
APPLICANT: Susan G. Stuart
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Sellhamer
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INVTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                76 TIVCHDKYHDDAASKCMKKKKGIMCSCSSDCNDNSYNTSNDVVTGSGVASVYCYRVNRKS 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     428 TTAGTCGCCTGTACAATGGCGATGTACCGGTCCATGCTAATGCAAGTCAGGAGCAGCATC 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            256 SSNVKNDICCCDGSRGYSSVDDANSGVGTARYMAV-SRMNNASKIDVYSMAVWMISRCNA 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              249 GTCTGCAATGGCCATGTTCAAGAGATAGACGTCTGTCATAGACCTGGCCTTCTTATAAAA 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             196 DRKDSDNKHNTARKTGKYWTAHAKGNYTRHVSWDRNVGSSARGSHHSDHTCGRKMVHRDK 255
                                                                                                                                                                                                                                                                                                                                                                          Ouery Match 6.8%; Score 76; DB 16; Length 383;
Best Local Similarity 11.1%; Pred. No. 1.19e-56;
Matches 40; Conservative 172; Mismatches 143; Indels 4; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     315 VGVKDYGSKVRDVVSMKDNVRDRGTRNSSWNHGMVCTTCWDHDARTACVARSHDRSGRS 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    189 AGCAAAGGTGATCACC-ACCAGAATATTCCCCAGGAGGCCAAGAACACAGATCAAGGAG 132
                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE 383 BP; 27 A; 25 C; 26 G; 34 T; 271 OTHER
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US-09-023-655-1465 STANDARD; DNA; UNC; 1500 BP
                                                              APPLICATION NUMBER: US/08/446,937
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Sequence 1465, Application US/09023655
GENERAL INFORMATION:
                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: SEQUEDUCE CHARACTERISTICS: LENGTH: 383 base pairs TYPE: nucleic acid STRANDEDNESS: double
CURRENT APPLICATION DATA
                       FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
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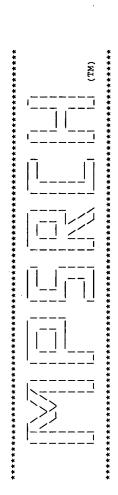
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136 TIGATCIGIGITCTIGGCCICCTGGGGAAIATICTGGTGGTGGTGATCACCTTTGCTTTTAT 195
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          483 IGIGCICCAAGAAGGACGIGCGGAACII-IAAAGCCIGGIICCICCCIAICAIGIACICC 541
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   542 ATCATTIGITICGIGGCCTACIGGCCAAIGGGCIGGTCGTGTTGACCTAIAICTATITC 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                        ALLOIUM TYPE: TO TOWN:

COMPUTER: IB FLOEPPY disk
COMPUTER: IB FC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
FILING DATE: HEREWITH
CLASSIFICATION
PRIOR APPLICATION DATA:
FILING DATE:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 75; DB 23; Length 1500;
Pred. No. 1.74e-55;
0; Mismatches 122; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE 1500 BP; 324 A; 457 C; 363 G; 356 T; 0 OTHER
                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1465:
SEQUENCE CHARACTERISTICS:
LENGTH: 1500 base pairs
TYPE: nucleic acid
STRANDEDNESS: SINGle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 6.7%;
Best Local Similarity 63.7%;
Matches 221; Conservative
PALO ALTO
CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LIBRARY: GENBANK
CLONE: 9673391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear IMMEDIATE SOURCE:
                                            USA
                                            COUNTRY:
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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:01:32 1998; MasPar time 11.52 Seconds 512.648 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-10

1 MFSTPVKIILCQSILHITQL......NISRQTSETADNDNASSFTM 365 (1-365) from US08887977.pep 2779 Description: Perfect Score: Sequence:

PAM 150 Gap 11 Scoring table:

131922 seqs, 16180660 residues Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

a-geneseq32 Database:

| part| 2.part2 3.part3 4.part4 5.part5 6.part6 7.part7 8.part8 9.part9 10.part10 11.part11 12.part12 13.part13 14.part14 15.part15 16.part16 17.part17 18.part18 19.part19 20.part20 21.part21 22.part22 23.part23 24.part24 25.part25 26.part26 27.part27 28.part28

Mean 34.572; Variance 151.305; scale 0.228 Statistics: Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	* Query Match Length DB	DB	E E	Description	Pred. No.
1	2779	100.0	365	29	W48086	Human dendritic cell	1.21e-255
7	066	35.6	355	15	R80950	Recombinant high affi	3.34e-81
٣	066	35.6	355	9	R28272	Sequence in a high af	3.34e-81
4	984	35.4	350	12	R68811	Interleukin-8 recepto	1.26e-80
ß	984	35.4	350	12	R80951	Recombinant high affi	1.26e-80
9	984	35.4	350	15	R80756	Interleukin 8 recepto	1.26e-80
7	983	35.4	350	ហ	R27791	Interleukin-8 recepto	1.57e-80
80	984	35.4			R70123	IL8-R type 1-GBP 130	1.26e-80
σ	965	34.7			R80952	Recombinant high affi	8.48e-79
10	961	34.6	358	1	R53745	Partial sequence of s	2.05e-78
11	961	34.6			R53743	Putative seven transm	2.05e-78
12	958	34.5	378	11	R53744	Putative seven transm	3.99e-78
13	951	34.2	355	7	R33420	Human IL-8 receptor f	1.88e-77
14	951	34.2		9	R28273	Sequence in a low aff	1.88e-77
15	951	34.2			R80758	Interleukin 8 recepto	1.88e-77
16	951	34.2			R70124	IL8-R type 2-GBP 130	1.88e-77
. 17	948	34.1	359	7	R53747	Seven transmembrane r	3.65e-77
18	927	33.4	360	5	880953	Recombinant high affi	3 790-75

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Gaps

; 0

Length 365;

Score 2779; DB 29; Length 36 Pred. No. 1.21e-255; 0; Mismatches 0; Indels

Query Match 100.0%; Best Local Similarity 100.0%; Matches 365; Conservative

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1 mfstpvkiilcqsilhitqlilrcycapcrrsgsspqylyriayslicvlgllgnilvvi 60

3.04e-75	.15e-7	.38	3.93e-73	.93	9-9	1.03e-66	9	2.00e-66	9	9-9	9-9	9-e	2.07e-62	.58e-6	2.58e-62	9-6	48e-	9-a	1.08e-60	1.08e-60	1.35e-60	5.02e-60	9-5	1.09e-58		2.61e-58
Epstein Barr virus in	Chemokine receptor K5	Sequence in a lowh af	_	G-protein coupled hum	Human MIP-1 alpha/RAN	emo	Human MIP-lalpha/RANT	Interleukin 8 (IL-8)	Human G-protein chemo	CC-chemokine receptor	Human eosinophil eota	CC-chemokine receptor	Human chemokine recep	CC-chemokine receptor	Human C-C chemokine r	Macaque chemokine rec	Human CCKR3 chemokine	Human CCR5.	Human chemokine recep	Human CC chemokine re	Rat CC chemokine rece	Human CC chemokine re	Human G-protein chemo	Human monocyte chemoa	Human monocyte chemoa	Human monocyte chemoa
R54079	R99274	R28274	W02689	R48717	W26588	R52749	W25751	R53932	W19780	W03378	W31850	W03377	W27124	W03376	W10100	W27125	W25943	W27407	W27123	W23835	W29179	W23834	W07602	R79166	W35833 ·	R79165
78 10	60 19	9 85	12 19	12 16	55 25	55 11	55 24	54 11	15 23	55 19	55 28	55 19	55 24	55 19	55 23	52 24	356 26	52 27	52 24	52 29	55 24	71 29	52 20	60 14	60 26	74 14
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ALIGNMENTS

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Novel chemokines, e.g. thymus expressed chemokine - used for treating inflammatory conditions including asthma. Claim 3; Page 94-95; 202pp; English.

The present sequence represents human dendritic cell chemokine receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Antibodies which bind to the protein can be used in detecting or diagnosing various immunological conditions related to expression of the protein. The nucleic acid can be used for screening and isolating DNA clones for the chemokines, especially from other species. The chemokine can be used in the treatment of conditions associated with abnormal physiology or development, including inflammatory conditions such as asthma.
                               11-JUN-1998 (first entry)
Human dendritic cell chemokine receptor.
Human; thymus expressed chemokine; TECK; MIP-3alpha; MIP-3beta; receptor; dendritic cell; macrophage; inflammation; asthma.
                                                                                                                                                                                                      15-7AN-1998.

02-UUL-1999; U10819.

04-UUN-1997; US-048593.

05-UUL-1996; US-675814.

11-CCT-1996; US-028329.

(SCHE) SCHERING CORP.

GISH RC, Schall TJ, Vicari A, Wang W, Zlotnik A;

WPI: 98-101054/09.
                                                                                                                                                             /note= "encoded by CAN"
                                                                                                                          Location/Qualifiers
W48086 standard; Protein; 365 AA
                                                                                                                                             Misc_difference 193
                                                                                                                                                                                WO9801557-A2.
                                                                                                           Homo sapiens.
                                                                                                                                                                                                 15-JAN-1998
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Navarro J,
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N N PSDB; 099949.

Monoclonal antibody against recombinant IL-8 receptor polypeptide -
The set of influence of influen
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Recombinant high affinity interleukin-8 receptor subtype A.
Recombinant high affinity interleukin-8 receptor subtype A.
11-8A; IL-8B; receptor; monoclonal antibody; inflammatory disorder; anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis; systemic necrotising vasculitis; psoriaais; asthma; allergy; ARDS; adult respiratory distress syndrome; neutrophil detection.
oryctolagus cuniculus.
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Pred. No. 3.34e-81;
78; Mismatches 70; Indels 1
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Witt DT;
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larity 45.1%;
Conservative
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12-MAR-1994; US-210250.
02-MAY-1994; US-237937.
(REPK ) REPLIGEN CORP.
(UYBO-) UNIV BOSTON.
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ches 130; Conser
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Pred. No. 3.34e-81;
78; Mismatches 70; Indels 10; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Recombinant mammalian interleukin-8 receptor - used for screening interleukin 8 binding antagonists, used to treat inflammation claim 2; Fig 1; 71pp; English.

Rabbit high affinity II-8 receptor gene was isolated from rabbit peritoneal neutrophils and used as a source of poly(A)+ RNA, to produce a rabbit neutrophil cDNA library. 250,000 recombinant plaques were screened for those which hybridized to an antisense oligonucleotide (030015). This probe was designed based on the sequence derived from the second transmembrane domain of G-protein-coupled receptors. After tertiary screening, six plaques were kb in size. This insert was sequenced. The protein deduced from
                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-APR-1993 (first entry)
Sequence in a high affinity recombinant rabbit interleukin-8 (IL-8) receptor polypeptide in R3R.
IL-8 receptor polypeptide; G-protein-coupled receptor.
Oryctolagus cuniculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                kb in size. This insert was sequenced. ..... the F3R clone demonstrates that it belongs to the family of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKII 322
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R28272 standard; Protein; 355
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Local Similarity 45.1%;
les 130; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Thomas KM, Witt
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10-APR-1991; US-685101.
09-JUL-1991; US-726606.
09-DEC-1991; US-803842.
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15-MAR-1994; US-210250.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         receptor polypeptide
Disclosure; Page 51-54; 83pp; English,
A cDNA library constructed from human neutrophil mRNA in pRK5B was
transfected into COS-7 cells, and the cells were screened with 125I-
IL-8. The DNA sequence of isolated cDNA clone pRK5B.118rl.1,
encoding human IL-8 receptor, is given in Q80520 and the predicted
amino acid sequence in R68Bll. The receptor is used to raise
antibodies that neutralize the activity of PF4AR, e.g. IL-8 receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27 y-spcmletetlnkyvviiayalvfllsllgnslvmlvilysrvgrsvtdvyllnlalad 85
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Recombinant high affinity interleukin-8 receptor subtype A.
Il-84, IL-8B: receptor; monochonal antibody; inflammatory disorder;
anaphylaxis; systemic lupus erythematosus; rheumatoid arthritis;
systemic necrotising vasculitis; psoriasis; asthma; allergy; ARDS;
adult respiratory distress syndrome; neutrophil detection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         202 KLIMLGLELLFGFFIPLMFWIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH
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                                                                                                       Interleukin-8 receptor.
Interleukin-8 receptor: IL-8 receptor: PF4AR;
Interleukin-8 receptor: IL-8 receptor: neutrophil; chemotactic;
platelet factor superfamily receptor; neutrophil; chemotactic;
inflammation; inflammatory disease; arthritis; emphysema; cystic;
fibrosis; colitis; bronchitis; meningitis; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                              Treatment of inflammatory disorders - by administering an antibody capable of binding a platelet factor 4 superfamily
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 350;
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Pred. No. 1.26e-80;
76; Mismatches 80;
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R80951 standard; Protein; 350 AA.
                                          R68811 standard; Protein; 350 AA
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Local Similarity 44.4%;
les 134; Conservative
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07-JUN-1994; U06380.
11-JUN-1993; US-076093.
(GETH ) GENENTECH INC.
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09-MAR-1995; U03032.
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WPI; 95-036114/05.
N-PSDB; Q80520.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             350 AA;
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WO9525126-A1.
                                                                                                                                                                                                                            Homo sapiens.
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IL 322
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                                                               R68811;
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                                          HAND BENEFIT OF STAND B
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receptors from a mixture.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Monoclonal antibody against recombinant IL-8 receptor polypeptide - useful for treating inflammatory disorders, for detecting neutrophil(s) and for isolating IL-8 receptor from liq.mixt. Disclosure; Fig 2A-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8 (IL-8) receptor subtypes A and B from both human and rabbit sources (R80950-53 encoded by Q9949-52). The A subtype receptor (IL-8Tb) is a high affinity receptor and the B subtype receptor (IL-8Tb) is a high affinity receptor. The monoclonal antibody (mAb) pref. binds to the IL-8 binding domain thus blocking its activation. The mAbs are useful for treating inflammatory disorders (see key words) and for detecting the presence of neutrophils in a biological sample. The mAbs are also useful in the isolation of IL-8 receptors from a mixtur
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 984; DB 15; Length 350;
Pred. No. 1.26e-80;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Interleukin 8 receptor A partial sequence.
Interleukin; IL-8; inflammation; psoriasis; dermatitis;
rheumatoid arthritis; inflammatory bowel disease;
                                                    Thomas KM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              chronic lung inflammation; treatment; antibody; affinity purification; detection. USS44021-a. USS44021-a. 08-AUG-1995.
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                                                       Navarro
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R80756 standard; Protein; 350 AA.
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                                                    Larosa GJ,
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Matches 134; Conservative
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(HEBE/) HEBERT C.
(KIMK/) KIM K J.
(REPK ) REPLIGEN CORP. (UYBO-) UNIV BOSTON.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAR-1991; 677211.
29-MAR-1991; US-677211.
25-FEB-1994; US-202056.
                                                                                                    95-336945/43.
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LEE J.
                                                  Greenfield EA,
                                                                                                                           N-PSDB; 099950
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                                                                            Witt DT;
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Example 2; Columns 41-44; 62pp; English.

Antibodies directed against the interleukin-8 receptor B can be used to treat or prevent inflammation e.g. psoriasis, dermatitis, rheumatoid arthritis and particularly inflammatory bowel disease and chronic lung inflammation. When immobilised, these antibodies may be used to detect interleukin-8 receptor B expression in cells and tissues and for affinity purification of interleukin-8 receptor B from cells. A sequence encoding amino acids 23-314 of this fragment of the high affinity interleukin-8 receptor, was used to probe lambda gill con alibraries for the human interleukin-8 type B receptor.
                                                                                                                                                                                                                                           145 tltqk-rhl--vkfvclgcwglsmnlslpfflfrqayhpnnsspvc---yevlgndtakw 198
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                                                                                                                                                                                                     27 y-spcmletetlnkyvviiayalvfllsllgnslvmlvilysrvgrsvtdvyllnlalad 85
N-PSDB; Q99006.
New antibodies against interleukin 8 type B receptor - used to treasor prevent inflammation, also for detecting receptor expression and
                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                              IL-8R; G-protein coupled receptor family; rhodopsin superfamily; pro-inflammatory cytokine.
                                                                                                                                                      Score 984; DB 15; Length 350;
Pred. No. 1.26e-80;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                76..98
/label= transmembrane
/note= "putative"
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/note= "putative"
292..312
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/label- transmembrane
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                                                                                                                                                     Query Match 35.4%;
Best Local Similarity 44.4%;
Matches 134; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                            12-MAR-1993 (first entry)
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155..17
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                                                                                                                                    350 AA
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14-FEB-1996 (first entry)
LL8-R type 1-GBP 130 fusion protein.
Hybrid peptide; malaria parasite; Plasmodium falciparum; fusion protein; red blood cell; cytokine receptor; glycophorin binding peptide 130; GBPH; glycophorin binding peptide homologue; glycophorin A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6
                                                                                                                                                                                                                                                                                                                                                                                          claim 7; Fig 2; 78pp; English.
A cDNA library constructed from human neutrophil mRNA in the mammalian expression vector pRKSB was transfected into COS-7 cells as pools of 2500 clones. One positive pool from the first 58 transfections was partitioned into smaler pools until a pure clone (pRK5B.118r1.1) was obtained. The ORF encodes a protein of 350 amino acids which shares several features with the G-protein coupled receptors of the rhodopsin superfamily, including 7 hydrophobic (transmembrane) domains. The IL-8 receptor is a preferred PF4AR superfamily member of the invention. See also 029506 and 037107.
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                                                                                                                                                                                                                                                                                                  polypeptide and corresp. antibodies and DNA - useful as diagnostic and screening agents, and for treating inflammation PF4AR-mediated disorders
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 350;
                                                                                                                                                                                                                                                                              Isolated human platelet factor 4 super-family receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 983; DB 5; 1 Pred. No. 1.57e-80;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R70123 standard; Protein; 1060 AA. R70123;
/note- "putative"
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Chimeric Plasmodium falciparum.
W09506737-A.
09-MAR-1995.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 44.4%;
                                                                                                                                                                  (GETH ) GENENTECH INC. Holmes WE, Lee J, Wood WI;
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03-SEP-1993, GB-018350.
23-AUG-1994, GB-017021.
(PRENY) PRENDERGAST K F.
                                                                                 23-MAR-1992; U02317.
29-MAR-1991; US-677211.
19-DEC-1991; US-810782.
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N-PSDB; 029505.
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                                                                Example A; Page 79-80; 93pp; English.

Example A; Page 79-80; 93pp; English.

Hybrid peptides for binding cytokines, comprising a malaria parasite (Plasmodium falciparum) peptide (capable of binding to a red blood cell (RBC)) and a receptor peptide are claimed. R70103-25 are examples of these hybrid peptides. R70123 is a fusion of interleukin B receptor type 1 and a receptor poptides. R70123 is a fusion of interleukin B receptor of these hybrid peptides. R70123 is a fusion of interleukin B receptor type 1 and plycophorin binding protein (GBP) 130. The use of cytokine receptors not normally found on RBCs means that the cytokine can bind narnessly to the RBC without deleterious effect. The RBC protects the hybrid peptides from excretion from the kidney, and due to steric hindrance prevents the cytokines binding to a receptor in another cell. GBP 130 or GBPH (GBP homologue) are the prefd. malaria parasite peptides used, others include EBA 175 (175 kDB erythrocyte binding antigen), PMMSA (pre major merozotte surface antigen) and the Duffy binding receptor molecule (eg. exhibited by Plasmodium vivax). These peptides in the surface of RBCs. The hybrid peptides are thus used to lower the levels of free cytokines in the circulation to reduce pathological
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                       New hybrid peptide(s) for binding cytokine(s) - comprising a malaria parasite peptide capable of binding a red blood cell and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 984; DB 14; Length 1060;
Pred. No. 1.26e-80;
76; Mismatches 80; Indels 12;
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Similarity 44.4%;
134; Conservative
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09-MAR-1995; U03032.
02-MAY-1994; US-210250.
02-MAY-1994; US-237937.
(REPK ) REPLICEN CORP.
(UYBO-) UNIV BOSTON.
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W09525126-A1.
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95-115452/15
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Monoclonal antibody against recombinant IL-8 receptor polypeptide - useful for treating inflammatory disorders, for detecting neutrophil(s) and for isolating IL-8 receptor from liq.mixt.

Claim 6; Fig 3A-B; 74pp; English.

Monoclonal antibodies were raised against recombinant interleukin-8 (IL-8) receptor subtypes A and B from both human and rabbit sources (R80950-53 encoded by 099949-52). The A subtype receptor (IL-8rA) is a high affinity receptor and the B subtype receptor (IL-8rB) is a low affinity receptor. The monoclonal antibody (mAb) pref. binds to the IL-8 binding domain thus blocking its activation. The mabs are useful for treating inflammatory disorders (see key words) and for detecting the presence of neutrophils in a biological sample. The mabs are also useful in the isolation of IL-8 receptors from a mixture.
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Two primers (060148, 066149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated after the initial amplification reation and probed with sequences specific for seven transmembrane receptors ILBRI, ATZR and R20. clones which did not hybridise were then chosen for sequence analysis. Three new clones were identified that appeared to encode seven transmembrane receptor segments. Two more primers (Q66151, Q66151) were used to isolate a full length version of one of these clones designated V31 (See Q66153). This is the sequence encoded by exon 3 of the V31 genomic clone
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Partial sequence of seven transmembrane receptor (V31).
Primer; seven transmembrane receptor; receptor; amplification; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          154 -iqkrhl--vkficlsmwgvslilslpillfrnaifppnsspvc---yedmgnstakwrm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match 34.7%; Score 965; DB 15; Length 358; Local Similarity 44.0%; Pred. No. 8.48e-79; les 132; Conservative 80; Mismatches 77; Indels 11;
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17-NOV-1993.
17-NOV-1992: US-977452.
(ICOS-) ICOS CORP.
Godiska R, Gray PW, Schweickart VL;
WPI: 94-200564/24.
N-PSDB; Q66162.
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R53745 standard; Protein; 358 AA.
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WO9412635-A.
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WO9412635-A.
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                                                                                                                                                                                                     158 scvgiwilatvlsipellysd-lqrssseq-amrcslitehve-afitiqvaqmvigflv 214
                                                                                                                                                                                                                                                                                                                                                     215 pllamsfcylviirtllgarnfernkaikviiavvvvflvfglpyngvvlagtvanfnit 274
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       150 aakswvfgvhfcklifaiykmsffsgmllllcisidryvaivgavsahrhrarvlliskl 209
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                                                                                    Example 2: Page 46-48: 100pp; English.

Example 2: Page 46-48: 100pp; English.

Two primers (060149) were used to amplify human genomic DNA purified from leukocytes. Approximately 1000 clones were isolated after the intial amplification reation and probed with sequences specific for seven transmembrane receptors IIRRI, AT2R and R20. Clones which did not hybridise were then chosen for sequence analysis. Three new clones were identified that appeared to encode seven transmembrane receptors segments. Two more primers (066151, 066152) were used to isolate a full length version of one of these clones, one of which was designated V31 and encoded this
                                                  Gaps
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Putative seven transmembrane receptor (V31).
Primer; seven transmembrane receptor; receptor; amplification; PCR; polymerase chain reaction.
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Pred. No. 2.05e-78;
77; Mismatches 75; Indels
      Length 358;
Score 961; DB 11; Length 358
Pred. No. 2.05e-78;
77; Mismatches 75; Indels
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17-NOV-1993. U1153.
17-NOV-1992: US-977452.
(ICOS-) ICOS CORP.
Godiska R, Gray PW, Schweickart VL;
WPI: 94-200264/24.
N-PSDB: Q66153.
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Local Similarity 45.7%;
nes 134; Conservative
Query Match 34.6%;
Best Local Similarity 45.7%;
Matches 134; Conservative
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Prods. for use as therapeutic or diagnostic agents for conditions prods. for use as therapeutic or diagnostic agents for conditions involving the receptors.

Throlving the receptors.

Claim 1, Page 52-53; 100pp; English.

A human cDNA encoding the seven transmembrane receptor V31 was isolated by first amplifying a partial cDNA clone from a human consil cDNA library using two primers (Q66154, Q66155). The resulting amplified products were probed using two radioactively labelied sequences (Q66156, Q66157). A hybridising band was isolated from the gel and cloned. The resulting clone was isolated from a peripheral blood monounclear cell library using V31 specific primers (Q66159, Q66152).

Clone PBMC75 was isolated and the V31 cDNA insert in the clone was squence 378 AA;
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pllamsfcylviirtllgarnfernkaikviiavvvvflvfglpyngvvlagtvanfnit 326
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Primer; seven transmembrane receptor; receptor; amplification; PCR;
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Human IL-8 receptor from clone p2.
Interleukin-8 receptor; probes; gene therapy; gro receptor; intracellula-calcium mobilising; ligand-binding; MIP-2 receptor.
                                                                                                                                                                                                              327 sstcelskglniaydvtyslacvrccvnpflyafigvkfrndlfklfkdlgcl 379
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Pred. No. 3.99e-78;
77; Mismatches 75;
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17-NOV-1992; US-977452.
17-OS-1902; OS-ORP.
Godiska R, Gray PW, Schweickart VL;
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R33420 standard; Protein; 355
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Similarity 45.7%;
134; Conservative
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N-PSDB; Q66160.
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Disclosure; Columns 53-56; 62pp; English.
Antibodies directed against the interleukin-8 receptor B can be used to treat or prevent inflammation e.g. psoriasis. dermatitis.
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or prevent inflammation, also for detecting receptor expression and
purificn.
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Interleukin 8 receptor B.
Interleukin; IL-8; inflammation; psoriasis; dermatitis;
rheumatoid arthritis; inflammatory bowel disease;
chronic lung inflammation; treatment; antibody;
affinity purification; detection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAR-1991; 677211.
29-MAR-1991; US-677211.
25-FEB-1994; US-202056.
(CHUM.) CHUNTHARAPAI A.
(HEBE/) HEBERT C.
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(LEEJ/) LEE J.
Chuntharapai A,
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                                                                                                                                                 rexpressed in Xenopus laevis occytes or transfected most cells, for screening ligands of IL-8 receptor and gene therapy

Claim 1; Fig 3; 39pp; English.

CDNA libraries from 2 and 3.5 kb fractions of poly(A)+ RNA from HL60 controphils sept of a sucrose gradient were made in UnizAP. The libraries were screened with F3R oligonucleotide probe (from rabbit IL-8 receptor) and under low stringency with a p2 cDNA probe synthesised from random primers, to isolated the clone p2, encoding human IL-8 receptor protein. The presence or absence of the DNA ecoding IL-8R or related MIP-2 receptor may be detected using portions of the p2 clone as probes. P2 may also be used to screen cfor ligands of IL-8R and may also be used in gene therapy to treat a patient deficient in IL-8R. The IL-8R is a gro receptor and has intracellular calcium-mobilising and ligand-binding properties.
                                                                                                                                                                                                                                                                                                                                                                                                                                      7;
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                                                                                                                                        New interleukin-8 receptor aminoacid sequence - and corresp. cDNA
                                                                                                                                                                                                                                                                                                                                                                                                      Score 951; DB 7; Length 355;
Pred. No. 1.88e-77;
80; Mismatches 72; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               recombinant human interleukin-8
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IL-8 receptor polypeptide; G-protein-coupled receptor.
                                                                         (USSH ) US DEPT HEALTH & HUMAN SERVICE
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R28273 standard; Protein; 360 AA.
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Local Similarity 43.8%;
les 126; Conservative
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10-APR-1991; US-685101.
09-JUL-1991; US-726606.
09-DEC-1991; US-803842.
                                            14-SEP-1992; U07641.
13-SEP-1991; US-759568.
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receptor - used to treat

Lee

Kim KJ,

Hebert C,

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Rabbit high affinity IL-8 receptor gene was isolated from rabbit peritoneal neutrophils and used as a source of poly(A)+ RNA, to produce a rabbit neutrophil cDNA library. 250,000 recombinant plaques were screened for those which hybridized to an antisense oligonucleotide (Q30015). This probe was designed based on the sequence derived from the second transmembrane domain of G-protein-coupled receptors. After tertiary screening, six plaques were isolated. The insert of one of these plaques, termed F3R was of 2.5 kb in size. This insert was sequenced. The protein deduced from the F3R clone demonstrates that it belongs to the family of G-protein-coupled receptors. The deduced protein sequence indicates seven putatuve transmembrane segments. A human peripheral blood leukocyte lambda gill cDNA library (5' stretch) was screened with a 652 bp ECORI/BamHI fragment (including nucleotides several human clones which hybridized to the rabbit IL-8 probe sequenced (Q30012).

Sequenced (Q30012).
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Pred. No. 1.88e-77;
80; Mismatches 72; Indels 10;
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R80758 standard; Protein; 360 AA.
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Local Similarity 43.8%;
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rheumatoid arthritis and particularly inflammatory bowel disease and chronic lung inflammation. When immobilised, these antibodies may be used to detect interleukin-8 receptor B expression in cells and tissues and for affinity purification of interleukin-8 receptor B from cells. Sequence 360 AA;
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Pred. No. 1.88e-77;
80; Mismatches 72; Indels 10;
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Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:03:41 1998; MasPar time 16.03 Seconds 831.784 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-10 (1-365) from US08887977.pep 2779 Description: Perfect Score:

1 MFSTPVKIILCQSILHITQL...........NISRQTSETADNDNASSFTM 365 Sequence:

PAM 150 Gap 11 Scoring table:

Searched:

120441 seqs, 36531193 residues

Minimum Match 0% Listing first 45 summaries Post-processing:

Database:

pir56 1:pir1 2:pir2 3:pir3 4:pir4 5:nrl3d

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Mean 47.004; Variance 114.799; scale 0.409 Statistics:

G protein-coupled recinterleukin-8 recepto interleukin-8 recepto interleukin-8 recepto lymphocyte-specific G protein-coupled recinterleukin-8 recepto interleukin-8 recepto chemokine (C-C) recep chemokine (C-C) recep interleukin-8 recepto MIP-1 alpha receptor C-C chemokine (C-C) recep chemokine (C-C) recep chemokine (C-C) recep G protein-coupled pep interleukin-8 recepto interleukin-8 recepto CC chemokine receptor Description SUMMARIES JC5068 JQ1231 A591231 A51752 A55735 A55735 A55735 A55735 A45171 A545171 A545171 A513341 A51337 A51337 A63533 Length Query Match Score Result

281

LMFMIFCYTEIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNR

221

ICLVVWGLSVIISSSTFVFNQKYNTQGSDVCEPKYQTVSEPIRWKLLMLGLELLFGFFIP

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Price, V.; Lyman, S.; Gerard, N.P.; Gerard, C.; Cerretti,
   277
                                       341
                                                         Lee, J.; Kuang, W.J.; Rice, G.C.; Wood, W.I.
J. Immunol. (1992) 148:1261-1264
Characterization of complementary DNA clones encoding the rabbit IL-8 receptor.
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                                                                                                                                                                                                                                                                                                                                                                                                                 #journal Biochem. Biophys, Res. Commun. (1991) 179:784-789
#title Molecular characterization of the interleukin-8 receptor.
#cross-references MUID:91378994
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                                                                                                                                                                                                                                    interleukin-8 receptor - rabbit
#formal_name Oryctolagus cuniculus #common_name domestic
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LMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNR
                                   SCOSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGOKFRNYFLKILKDLWCVRRKYKSSGF
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Pred. No. 3.32e-140;
78; Mismatches 70; Indels 10;
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##residues 1-355 ##label BEC
##cross-references GB:M74240; NID:9165438; PID:9165439
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##experimental_source neutrophils
                                                                                                         SCAGRYSENISRQTSETADNDNASSFTM 369
                                                                                                                            #type complete
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##molecule_type mRNA
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Local Similarity 45.1%;
hes 130; Conservative
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#Journal J. Biol. Chem. (1994) 269:26389
#title Comparison of the genomic organization and promoter function for human interleukin-8 receptors A and B.
#cross-references_MUID:95014476
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interleukin-8 receptor type A - human
interleukin-8 receptor, high-affinity
#formal_name Homo sapiens #common_name man
22-Jan-1993 #sequence_revision 12-Apr-1996 #text_change
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#journal Genomics (1993) 16:248-251
#title The high-affinity interleukin 8 receptor gene (ILBRA) the 2433-436 region of the human genome: cloning of pseudogene (ILBRA) for the low-affinity receptor.
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NCE I37898
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##rosidues 1-350 ##label RE2
##cross-references EMBL:U11870; NID:g511804; PID:g511805
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Best Local Similarity 44.7%; Pred. No. 1.59e-139;
Matches 135; Conservative 75; Mismatches 80;
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##cross-references GB:M68932
                                                                                           29-Aug-1997
I37449; I38710; I38711; A39445
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##mclecule_type DNA
##molecule_type Table ##label RES
1-350 ##label RES
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##residues 1-16 ##label RE3
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TITLE ORGANISM

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Burgstahler, R.; Kempkes, B.; Staeube, K.; Lipp, M. submitted to the EMBL Data Library, February 1995
The expression of the chemokine receptor BLR2/EBII is specifically transactivated by Epstein-Barr virus nuclear
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#formal_name Mus musculus #common_name house mouse
07-Jul-1995 #sequence_revision 07-Jul-1995 #text_change
10-Sep-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                       ##cross-references GDB:342065
#map_position 17q12-17q21.2
KEYWORDS G protein-coupled receptor
SUMMARY #length 378 #molecular-weight 42874 #checksum 2503
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Schweickart, V.L.; Raport, C.J.; Godiska, R.;
Eddy Jr., R.L.; Shows, T.B.; Gray, P.W.
Genomics (1994) 23:643-650
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Pred. No. 2.77e-135;
77; Mismatches 75; Indels
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##cross-references GB.L31580; NID:9468340; PID:9468341
DS G protein-coupled receptor
Y #length 378 #molecular-weight 42041 #....
##cross-references GB:L31581; NID:9468319; PID:9468320
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##residues
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Best Local Similarity 45.7%;
Matches 134; Conservative
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J. Biol. Chem. (1994) 269:12391-12394
Molecular characterization of a novel rabbit interleukin-8
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                                                                                                                                                                                                                                                interleukin-8 receptor (clone 5Bla) - rabbit
#formal_name Oryctolagus cuniculus #common_name domestic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                35 APCRSESLETNSYVVLITYILVFLLSLLGNSLVMLVILYSRSTCSVTDVYLLNLAIADLL 94
                                                                                                                                                                                                                                                                                                                                            06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change
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07-Jul-1995 #sequence_revision 07-Jul-1995 #text_change
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Pred. No. 5.81e-136;
80; Mismatches 77; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ##residues 1-358 ##label PRA
##cross-references GB:L24445; NID:g437661; PID:g437662
G protein-coupled receptor; transmembrane protein
XX #length 358 #molecular-weight 40631 #checksum 20
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: Navarro, J.
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Best Local Similarity 44.0%;
Matches 132; Conservative
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##residues 1-378
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76-97
112-133
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208-226
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Journal J. Biol. Chem. (1994) 269:26381-26389

*title Comparison of the genomic organization and promoter function for human interleukin-8 receptors A and B.

**Foress-references MUD:95014476

**Foression 137898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Structure, genomic organization, and expression of the human interleukin-8 receptor B gene. A53611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL:011873;
NID:9511812;
PID:9511815;
EMBL:011877;
NID:9511820;
                                                                                     119 AK-SWIFGVYLCKGIFGIYKLSFFSGMLLLLCISIDRYVAIVQAVSRHRHRARVLLISKL 177
                                                                                                                                  235 PMLAMSFCYLIIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Murphy, P.M.; Tiffany, H.L. Science (1991) 253:1280-1283 Cloning of complementary DNA encoding a functional human interleukin-8 receptor.
                                                                                                                                                                                                                                                                         A53611 #type complete interleukin-8 receptor type B - human #formal_name Homo sapiens #common_name man 07-oct-1994 #sequence_revision 12-Apr-1996 #text_change 29-Aug-1997 137898; I3898; I3898; I3898
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J. Biol. Chem. (1994) 269:11065-11072
                                                                 SCVGIWMLALFLSIPELLYSGLQKNSGEDT -- LRCSLVSAQVE-ALITIQVAQMVFGFLV
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##cross-references GB:W13969
T This receptor, unlike ILBRA, binds several peptides besides
interleukin %, including GRO, NAP-2, and ENA-78.
                                                                                                                                                                                                                       295 NSSCETSKQLNIAYDVTYSLASVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCL 347
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##cross-references GDB:127868; OMIM:146928
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##cross-references GB:M99412; GB:L19593
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##residues 6-36(
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##residues 6-3
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kinase C) #status predicted
#length 360 #molecular-weight 41402 #checksum 4713
                                                                                                                                                                                                                                                                                                                                                                                                                    49 YEVVIIYALVFELSELGNSLVMLVILYSRVGRSVTDVYLLNLALADELFFALTLPIWAASK 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16 IPLMEWIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKM 275
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#domain transmembrane #status predicted #label TMT,
#disulfide_bonds #status predicted,
#binding_site phosphate (Ser) (covalent) (by casein
kinase II) #status predicted,
#binding_site phosphate (Ser) (covalent) (by protein
kinase C) #status predicted,
#binding_site carbohydrate (Asn) (covalent) #status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         109 VNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATRILIQK-RYL--VKF 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98 ATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI 157
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KEYWORDS G protein-coupled receptor; glycoprotein; phosphoprotein;
transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #label TM3/
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10.Nov-1995 #sequence_revision 10-Nov-1995 #text_change
15-aug-1997
A57160
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J. Biol. Chem. (1995) 270:19495-19500
Molecular cloning and functional expression of a novel chemokine receptor cDNA from a human basophilic cell
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#map_position 2q35-2q35
KEYWORDS G protein-coupled receptor; transmembrane protein
SUMMARY #length 360 #molecular-weight 40759 #checksum 3062
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  282 IQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGQKFRHGLLKIL 329
                                                                                                                                                                                                          Score 951; DB 2; Le
Pred. No. 1.38e-133;
80; Mismatches 72;
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chemokine (C-C) receptor 4 - human
C-C CKR-4
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##note source clone
                                                                                                                                                                                                          Query Match 34.2%;
Best Local Similarity 43.8%;
Matches 126; Conservative
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#journal J. Virol. (1993) 67:2209-2220
#title Epstein-Barr virus-induced genes: first lymphocyte-specific protein-coupled peptide receptors.
#cross-references WUID:93188173
                                                                                                                                                                                                                                               S-SLEINILGLVIPLGIMLFCYSMIIRTLQHCKNEKKNKAVKMIFAVVVLFLGFWTPYNI 260
                                                                                                                              LFVFSLPFWGY-YAADQWVFGLGLCKMISWMYLVGFYSGIFFVMLMSIDRYLAIVHAV-- 143
                                                                                                                                                                                                                                                                #status
##status
##molecule_type nucleic acid
##molecule_type nucleic acid
##molecule_type nucleic acid
##molecule_type nucleic acid
##cross-references GB:LOB176; NID:g183484; PID:g183485
##experimental_source B-lymphocytes
##note sequence extracted from NCBL backbone (NCBIN:127094,
                                                                                                                                                          LFVLTLPFWAVSHATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKS 144
                                                                                                                                                                                                       | | ||:||| : | | |:::|: | : |:|
145 FRLRSRILCLVVWGLSVIISSSIFVFNQRYNTQGSDVCEPRYQTVSEPIRWKLL 204
                                                                                                                                                                                                                                                                                                         VLFLETLVELEVL-QDCTFERYLDYAIQATETLAFVHCCLNPIIYFFLGEKFRKYILQLF 319
                                                                                                                                                                                                                                                                                                                          FSLRARTLIYGVITSLATWSVAVFASLPGFLFSTCYTERNHTYCKTKY-SLNSTT-WKVL 201
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                                                                                   28 PCTKEGIKAFGELFLPPLYSLVFVFGLLGNSVVVLVL-FKYKRLRSMTDVYLLNLAISDL 86
                                         Gaps
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G protein-coupled peptide receptor EBI 1 - human
#formal_name Homo sapiens #common_name man
21.Sep-1993 #sequence_revision 18-Nov-1994 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Birkenbach, M.; Josefsen, K.; Yalamanchili, R.; Lenoir,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G protein-coupled receptor; transmembrane protein #length 378 #molecular-weight 42732 #checksum 2193
                                         13;
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             Length 360;
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                                       Indels
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Pred. No. 1.08e-129;
76; Mismatches 77; Indels
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Pred. No. 1.60e-129;
81; Mismatches 78;
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         33.4%;
larity 42.9%;
Conservative
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Local Similarity 45.4%;
tes 133; Conservative
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               Local St. 129;
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Genomics (1993) 18:410-413
The murine homologue of the human interleukin-8 receptor type
B maps near the ity-Lsh-Bcg disease resistance locus.
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217 PLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLV-TAANLGKM 275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              interleukin-8 receptor - rat
#formal_name Rattus norvegicus #common_name Norway rat
06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change
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20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change
10-Sep-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          36 APCPSANLDINRYAVVVIYVLVTLLSLVGNSLVMLVILYNRSTCSVTDVYLLNLAIADLF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            155 -IQKRHL--VKFVCITMWFLSLVLSLPIFILRTTVKANPSTVV-C-YENIGNNTSKWRVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            210 LRILPQTYGFLLPLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLVFLLCWLPYNIV
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С
                                                               Score 906; DB 2; Length 356;
Pred. No. 5.72e-126;
85; Mismatches 80; Indels 12;
                                        295 SSICELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDIFKLFKDLGCL 347
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                                                                                                                                                                                                                                                                                                                                                                                                                    Gobl, A.E.; Wang, S.; Zhou, Y.; Oeberg, K. submitted to the EMBL Data Library, February Molecular cloning of the rat ILB receptor. 842096
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##cross-references GB:L23637; NID:g435094
REFERENCE A53677
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interleukin-8 receptor type B - mouse
G-protein coupled receptor Gpcr16
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Best Local Similarity 40.8%;
Matches 122; Conservative
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Identification, chromosomal location, and genome organization
#title The N terminus of interleukin-8 (IL-8) receptor confers high
affinity binding to human IL-8.
#crossreferences MUID:94308043
#accession A53677
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                                                                                                                                                                                                                                                                Chemokine binding and activities mediated by the mouse IL-8
                                                                                                                                                                                                       Lee, J.; Cacalano, G.; Camerato, T.; Toy, K.; Moore, M.W.; Wood, W.I.
J. Immunol. (1995) 155:2158-2164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             homologue and its
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                                                                                                                                                        sequence extracted from NCBI backbone (NCBIP:149812)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                97 ALTLPVWAASKVNG-WTFGSTLCKIFSYVKEVTFYSSVLLLACISMDRYLAIVHATSTL- 154
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Pred. No. 1.96e-123;
80; Mismatches 85; Indels 11; Gaps
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                                                                          nucleic acid sequence not shown; not compared with
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Kolakowski, L.F.
#journal J. Biol. Chem. (1994) 269:29355-29358
#title The murine interleukin 8 type B receptor homologue and ligands. Expression and biological characterization.
#cross-references MUID:95050766
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##molecule_type DNA
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*##nolecule_type DNA
                                                                                                                                                                                                                                                                                                                                                                             ##residues 1-359 ##label RES
##cross-references EMBL:U31207; NID:g950174; PID:g950175
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##cross-references GB:L13239; NID:g293665; PID:g293666
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    of mammalian G-protein-coupled receptors.
                                                                                             conceptual translation
                                                                                                                             ##residues 1-359 ##label SUZ
##cross-references GB:L26549
                                                                                                                                                                                                                                                                                     receptor.
#cross-references MUID:95363183
#accession 149348
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Best Local Similarity 41.1%;
Matches 123; Conservative
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T.N.C.;
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##residues 1-360 ##label HOO
##cross-references EMBL:X90862; NID:g1167851; PID:e195632; PID:g1167852
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210 LRILPQTFGFLVPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLVFLLCWLPYNLV 269
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Pred. No. 6.90e-120;
88; Mismatches 79; Indels 13; Gaps
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                                                                                                                                                            270 LFTDTLMRTKLIKETCERRDDIDKALNATEILGFLHSCLNPIIYAFIGQKFRHGLLKIM 328
                                                                                                                                                                                       JC4587 #type complete chemokine (C-C) receptor 4 - mouse #formal_name Mus musculus #common_name house mouse 08-Mar-1996 #sequence_revision 19-Apr-1996 #text_change 12-Dec-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hoogewerf, A.J.; Black, D.; Proudfoot, A.E.I.; Wells, 1
Power, C.A.
Blochem Biophys. Res. Commun. (1996) 218:337-343
Molecular cloning of murine CC CKR-4 and high affinity
binding of chemokines to murine and human CC CKR-4.
                                                                                             28 PCRRSGSSP-GYLYRIA-YSLICVLGLIGNILVVITFAF-YKKARSMTDVYLLNMAIADI
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#length 360 #molecular-weight 41462 #checksum 7852
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nes 121; Conservative
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#cross-references MUID:95340546
#accession I49341
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#cross-references MOID:91056034
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                                                                                                                                                         Neote, K.; DiGregorio, D.; Mak, J.Y.; Horuk, R.; Schall, T.J. Cell (1993) 72:415-425
Molecular cloning, functional expression, and signaling characteristics of a C-C chemokine receptor.
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#title Structure and functional expression of the human macrophage inflammatory 1 alpha (MIP-lalpha)/RANTES receptor.
#cross-references MUID:93240122
                                                     protein-1-alpha receptor
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                               chemokine (C-C) receptor 1 - human
C-C CKR-1; macrophage inflammatory protein-1-alpha rece
#formal_name Homo sapiens #common_name man
30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change
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phosphoprotein; transmembrane protein
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##residues 1-355 ##label RES
##cross-references GB:L10918; NID:g292416; PID:g292417
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##cross-references GDB:138446; OMIM:601159
                    #type complete
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A45177; I55671
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Gao, J.L.; Murphy, P.M.
J. Biol. Chem. (1995) 270:17494-17501
Cloning and differential tissue-specific expression of three mouse beta chemoxine receptor-like genes, including the gene for a functional macrophage inflammatory protein-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ##residues 1-354 ##label THO ##cross-references GB:M58021; GB:J05705; NID:g165442; PID:g165443
Bcross-references GB:M58021; GB:J05705; NID:g165442; PID:g165443
DS protein-coupled receptor; glycoprotein; membrane protein;
159 FICLGIWALSLILSLPFFLFRQVFSPNNSSPVC---YEDLGHNTAKWCMVLRILPHTFGF 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    216 ILPLLVMLFCYGFTLRTLFQAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTH 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           45 YVVVVIYALVFLLSLLGNSLVMLVILYSRSNRSVTDVYLLNLAMAPA-FCPDHAY--LGR 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            102 LQGKRLDFRTPLCKVVSLVKEVNFYSGILLLACISVDRYLAIVQSTRTLTQK-RHL--VK 158
                                                                                                                                                                                                                                                                                                                                                        #formal_name Oryctolagus cuniculus #common_name domestic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MIP-1 alpha receptor like-2 - mouse
#formal_name Mus musculus #common_name house mouse
02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                      22-Jan-1993 #sequence_revision 22-Jan-1993 #text_change 31-Oct-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          neutrophil
#length 354 #molecular-weight 40528 #checksum 8472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Thomas, K.M.; Pyun, H.Y.; Navarro, J.
J. Biol. Chem. (1990) 265:20061-20064
Molecular cloning of the fMet-Leu-Phe receptor from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13;
                                                                                                                                                                                                                                                             A23669 #type complete
interleukin-8 receptor, high affinity - rabbit
fMLP receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 30.1%; Score 836; DB 2; Length 354; Local Similarity 41.2%; Pred. No. 3.71e-114; les 119; Conservative 80; Mismatches 77; Indels 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        276 VIQETCORRNELDRALDATEILGFLHSCLNPIIYAFIGONFRNGFLKML 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         275 MNR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
                                                                                           355
                                                                                     316 FHRRVAVHLVKWLPFLSVDRL-ERVSSTSPSTGEHELSAGF
                                                                                                                          323 KDLWCVRRKYKSSGFSCAGRYSENISRQTSETADNDNASSF
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7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            104 GFGHYMCKMLSGFYYLALYSEIFFIILLTIDRYLAIVHAV--FALRARTVTFATITSIIT 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |:: ||:| |:| |:| |:| |:| |:| |:| |:| ||:| ||:| ||:| |:: |:: |:: ||:| |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |:: |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             162 WGLAGLAALPEFIFHESQDSFGEFSCSPRYPE-GEEDSWKRFHALRMNI-FGLALPLLVM 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8; Gaps
                                                                                                                           ##cross-references EMBL:U28406; NID:g881551; PID:g881552
##cross-references EMBL:U28406; NID:g881551; PID:g881552
X #length 359 #molecular-weight 41857 #checksum 8333
##status preliminary; translated from GB/EMBL/DDBJ
##molecule_type DNA
##residues 1-359 ##label RES
                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 30.0%; Score 835; DB 2; Length 359; Best Local Similarity 38.4%; Pred. No. 5.47e-114; Matches 108; Conservative 89; Mismatches 76; Indels
                                                                                                                                                                                                                                                                                    SUMMARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
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Search completed: Fri Nov 13 12:04:53 1998 Job time: 72 secs.

280 SKHLDLAMQVTEVIAYTHCCVNPVIYAFVGERFRKH-LRLF 319 | : :: ||||:||:|||:||:||: 282 EKLIGYIKTVTEVLAFLHCCLNPVLYAFIGGKFRNYFLKIL 322

g

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(TH)
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protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:05:10 1998; MasPar time 10.77 Seconds 850.044 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-10 (1-365) from US08887977.pep 2779

1 MFSTPVKIILCQSILHITQL........NISRQTSETADNDNASSFTM 365 Description: Perfect Score: Sequence:

PAM 150 Gap 11 Scoring table:

69111 seqs, 25083644 residues Searched:

Minimum Match 0% Listing first 45 summaries Post-processing:

Database:

Statistics:

swiss-prot35 1:swiss1 Pred..No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

Mean 49.069; Variance 98.526; scale 0.498

SUMMARIES

Pred. No.	0.00e+00	1.02e-170	1.02e-170	1.02e-170	6.81e-170	1.17e-168	2.02e-167	9.57e-165	6.36e-164	1.64e-163	1.64e-163	7.25e-162	7.25e-162	1.24e-160	6.19e - 157	1.69e-155	1.19e-153	3.64e-150	1.50e-149	2.99e-145	6.49e-139	4.26e-138	7.48e-136
Ц	RECEPTOR	INTERLEU	INTERLEU	INTERLEU	INTERLEU	INTERLEU	INTERLEU	INTERLEU	RECEPTOR	INTERLEU	RECEPTOR	INTERLEU	INTERLEU	INTERLEU	RECEPTOR	INTERLEU	INTERLEU	TEIN-COU	INTERLEU	RECEPTOR	RECEPTOR	HEMOKINE	TE RECEPT
Description			HIGH AFFINITY	C-C CHEMOKINE	HIGH AFFINITY	C-C CHEMOKINE	HIGH AFFINITY	HIGH AFFINITY	HIGH AFFINITY	C-C CHEMOKINE	HIGH AFFINITY	HIGH AFFINITY	PROBABLE G PRO	HIGH AFFINITY	C-C CHEMOKINE	C-C CHEMOKINE	PROBABLE C-C CHEMOKINE	C-X-C CHEMOKINE					
8	CKR6_HUMAN	IL8A_PANTR	IL8A_GORGO	IL8A_PONPY	IL8A_RABIT	IL8A_HUMAN	IL8B_BOVIN	IL8B_RABIT	CKR7_HUMAN	IL8B_MACMU	CKR7_MOUSE	IL8B_PANTR	IL8B_HUMAN	IL8B_GORGO	CKR4_HUMAN	IL8B_RAT	IL8A_RAT	GC96_HUMAN	IL8B_MOUSE	CKR4_MOUSE	CKR1_HUMAN	CKR3_MOUSE	CCR3_HUMAN
80	μ.	 1 -	rH	Н	H	-	1		Н	-	Ч	Н	Н	щ	Н	-	Н	-	ч	-	-	Н	7
Length	369	350	320	350	355	350	360	358	378	353	378	353	360	353	360	359	349	357	359	360	355	359	368
% Query Match	88.0	٠	35.8	35.8	35.6	35.4	35.2	34.7	34.6	34.5	34.5	34.2	34.2	34.0	33.4		32.8	32.2	32.1	31.3	30.2	30.0	29.7
Score	2445	984	994	966	066	984	978	965	196	959	959	951	951	945	927	920	911	894	891	870	839	832	824
Result	-	7	m	4	S	9	7	80	σ	10	11	12	13	14	15	16	17	18	19	20	21	22	23

2.37e-130 2.47e-129 2.47e-129 3.43e-125 1.25e-122 2.27e-121 2.27e-121 2.27e-121 2.26e-121 2.26e-121 3.26e-121 4.08e-111 6.18e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-111 6.26e-113 6.26e-113 6.26e-113 6.26e-113 6.26e-113 6.26e-113 6.26e-113 6.26e-113 6.26e-113 6.26e-113
C-C CHEMOKINE RECEPTOR TYPE-1 ANGIOTENSIN II TYPE-1 RECEPTOR C-C CHEMOKINE RECEPTOR C-C CHEMOKINE RECEPTOR TYPE-1 RECEPTOR C-C CHEMOKINE RECEPTOR TYPE-1 RECEPTOR C-C CHEMOKINE RECEPTOR TYPE-1 RECEPTOR TYPE-1 RECEPTOR C-C CHEMOKINE RECEPTOR TYPE-1 RECEPTOR TYPE-
CKR5_RAT CKR3_HUMAN CKR2_MOUSE CKR5_MOUSE CKR5_MOUSE CKR5_MOUSE CKR5_MOUSE CKR5_MOUSE CKR5_MUMAN GCY6_HUMAN GCY6_HUMAN GCR6_HUMAN GCR6_HUMAN AG2E_RAT
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22222222222222222222222222222222222222
7994 77984 77984 7798 7798 7798 7798 779
40000000000000000000000000000000000000

ALIGNMENTS

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CKR6_HUMAN STANDARD; PRT; 369 AA.
P51684; Q92846; P78553;
01-007-1996 (REL. 34, CREATED)
01-007-1996 (REL. 34, LAST SEQUENCE UPDATE)
01-007-1997 (REL. 35, LAST ANNOTATION UPDATE)
0-C-CHEMOKINE RECEPTOR TYPE 6 (C-C CKR-6) (GPR-CY4) (CKR-L3)
CMKBR6 OR STRL22 OR GPR29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE; 97224503.
MEDLINE; 97224503.
LIAO F., LEE H.H., FARBER J.M.;
GENOMICS 40.175-180(1997).
-!- FUNCTION: OFFBAN RECEPTOR.
-!- FUNCTION: OFFBAN RECEPTOR.
-!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-:- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
STRONG, TO IL. 8 RECEPTORS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HOMO SAPIENS (HUMAN).
EUKARYOTA; METALOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; 045984; G1245059;

REMBL; 279784; E264774; -

REMBL; 068030; G1516435; ALT_INIT.

REMBL; 068031; G1870666; ALT_INIT.

REMBL; 068032; G1870669; ALT_INIT.

REMBL; 068032;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .;
G
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MEDLINE; 97040707.
ZABALLOS A., VARONA R., GUTIERREZ J., LIND P., MARQUEZ
BIOCHEM. BIOPHYS. RES. COMMUN. 227:846-853(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
LAUTENS L.L., MODI W., BONNER T.I.;
SUBMITTED (APR-1996) TO EMBL/GENBANK/DDBJ DATA BANKS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        D.H.;
TO EMBL/GENBANK/DDBJ DATA BANKS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A. MCCOY R., PERLMUTTER SUBMITTED (SEP-1996)
          1
HUMAN
RESIDENT REPORT OF THE REPORT
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ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        350 AA
                                                                                    1 (POTENTIAL).
CYTOPLASMIC (F
                                                                                                                                                                                                      POTENTIAL.
                                                                                                                                                                                              POTENTIAL
                                                                                                                                                                                                                     39818 MW;
                                                                                                                                                                                                                                   35.8%;
                                                                                                                                                                                                                                           Local Similarity 44.7%;
les 135; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STANDARD;
                                                                            1) (CXCR-1) (CDW128).
IL8RA OR CXCRI.
                                                                                                                                                                                                                   350 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                            1
40
67
76
97
1112
1134
1155
175
                                                                                                                                                                                                                                                                                                                                                                                                                          IL 320
                                                                                                                                                                                                                                                                                                                                                                                                                                         IL 322
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P55919;
                                                                    CHEMOTAXIS.
                                                                                                                                                              TRANSMEM
DOMAIN
TRANSMEM
DOMAIN
                                                                                            DOMAIN
TRANSMEM
                                                                                                          DOMAIN
TRANSMEM
                                                                                    TRANSMEM
                                                                                                                         DOMAIN
TRANSMEM
                                                                                                                                               TRANSMEM
                                                                                                                                                                                              CARBOHYD
                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                      CARBOHYD
                                                                                                                                                                                                             DISULFID
                                                                           DOMAIN
                                                                                                                                         DOMAIN
                                                                                                                                                        DOMAIN
                                                                                                                                                                                                                                            Best Loca
Matches
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                                                                                                                                                                                                                                                102 ATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI 161
                                                                                                                                                                                                                                                                  157
                                                                                                                                                                                                                                                                                 221
                                                                                                                                                                                                                                                                                                217
                                                                                                                                                                                                                                                                                                               281
                                                                                                                                                                                                                                                                                                                               277
                                                                                                                                                                                                                                                                                                                                              341
                                                                                                                                                                                                                                                                                                                                                            337
                                                                                                                                                                                                                                                                                                                                                                                                                 IL8A_PANTR STANLEN...
P55920;
01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION TPDATE)
HIGH AFFINITY INTERLEUKIN'8 RECEPTOR A (IL-8R A) (IL-8 RECEPTOR TYPE
'''XCR-1) (CDW128).
                                                                                                                                                                                                                   LEVPIAYSLICVFGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSH 101
                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES S., LOPEZ-LARREA C.; IMMUNOGENETICS 43:261-267(1996).
-i- FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
                                                                                                                                                                                                                                                          ICLVVWGLSVIISSSTFVFNQKYNTQGSDVCEPKYQTVSEPIRWKLLMLGLELLFGFFIP
                                                                                                                                                                                                                                                                                        | ICLVVWGLSVIISSSTEVFNQKXNTQGSDVCEPKYQTVSEPIRWKLLMLGLELFGFFIP
                                                                                                                                                                                                                                                                                                              LMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNR
                                                                                                                                                                                                                                                                                                                      SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQRFRNYFLKILKDLWCVRRXYKSSGF
                                                                                                                                                                                                                                                                                                                                                    1;
                                                                                                G -> A (IN REF. 3).
Y -> N (IN REF. 3).
S -> T (IN REF. 3).
T -> S (IN REF. 4).
T -> S (IN REF. 3).
Q -> L (IN REF. 3).
C -> U (IN REF. 3).
I -> F (IN REF. 3).
SSFTM -> VVLHYVIES (IN REF. 3).
                                                                                                                                                                                    Length 369
                                                                                                                                                                                                     1; Indels
                                           6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                      EXTRACELLULAR (POTENTIAL)
                             CYTOPLASMIC (POTENTIAL).
3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                           7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL)
BY SIMILARITY.
POTENTIAL.
                                                                                                                                                                                    Score 2445; DB 1;
Pred. No. 0.00e+00;
                                                                                                                                                                      191BE90B CRC32;
                                                                                                                                                                                                     2; Mismatches
                (POTENTIAL)
                                                                                           POTENTIAL
                                                                                                                                                               SSFTM ->
                                                                                                                                                                                                                                                                                                                                                                                   SCAGRYSENISROTSETADNDNASSFTM 369
                                                                                                                                                                       MW.;
                                                                                                                                                                                     88.0%;
                                                                                                                                                                                             98.88;
                                                                                                                                                                      42002
                                                                                                                                                                                             Local Similarity 98.8% les 324; Conservative
136
1136
1154
1175
1274
1274
1369
1369
195
                                                                                                                                                               365
369 AA;
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                     DOMAIN
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DISULFID
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       DOMAIN
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01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR A (IL-8R A) (IL-8 RECEPTOR TYPE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            202 KLLMIGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRKKAIRVIIAVVLVFLACQIPH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW
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EUKARYOTA, META2OA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALLA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 350;
                                                                                                                                                                                                                                                                                                                              5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLUIAR (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
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CYTOPLASMIC (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 994; DB 1,
red. No. 1.02e-170;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SIMILARITY.
9D266617 CRC32;
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EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
           PONGO PYGMAEUS (ORANGUTAN)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          350 AA;
                                     EUTHERIA; PRIMATES
                                                                 SEQUENCE FROM N.A.
                                                                                                       LOPEZ-LARREA
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CARBOHYD
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TRANSMEM
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                  LOPEZ-LARREA C.;
IMMUNOGENETICS 43:261-267(1996).

I-FUNCTION: RECEPPOR TO INTERLEUKIN-8, WHICH IS A POWERFUL
NEUTROPHILS CHEWOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND
MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY
AND TO MGSA (GRO) WITH A LOW AFFINITY.

-: SIDECLIULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.

-: SIDECLIULAR LOCATION: INTEGRAL MEMBRANE PROTEIN
EMBL: X91110; -: NOT ANNOTATED CDS.
PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.

G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  145 TLTQK-RHL--VKFVCLGCWGLSMILSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ::: | |||::|| |:||| ::|| |::|| |::|| 202 KLIMLGLELLFGFFIPLMFMFIRCYFILVGAQNSKRHKAIRVIIAVVLVFLACQIPH 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NLVLLADTLMRTQVIQESCERRNNVSLALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
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01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
11-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
11-8 AFFINITY INTERLEUKIN-8 RECEPTOR A (IL-8R A) (IL-8 RECEPTOR TYPE
11) (CXCR-1) (CDM128).
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      ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 350;
                                                                                                                                                                                                                                        CYTOPLASMIC (POTENTIAL).
2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
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EXTRACELLULAR (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              77; Mismatches 79;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 994; DB 1; L
Pred. No. 1.02e-170;
                                                                                                                                                                                                                                                                                                                                                                                                                   POTENTIAL.
POTENTIAL.
BY SIMILARITY.
; 77C2A8F1 CRC32;
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CYTOPLASMIC (1
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39790 MW;
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ses 134; Conservative
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285
308
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P55921;
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TRANSMEM
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SEQUENCE
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TRANSMEM
MEDLINE;
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-!- FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL NEUTROPHILS. CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR CAUSES ACTIVATION OF BUTTOPHILS. THIS RESPONSE IS MEDIATED VIA A G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY.
-!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN COUPLED RECEPTORS. EMBL. X91111; -; NOTANNOTATED_CDS.
PROSITE; PSO00237; G_PROTEIN RECEPTOR; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 994; DB 1; Length 350;
Pred. No. 1.02e-170;
77; Mismatches 79; Indels 12; Gaps
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MEDLINE; 96175151.
ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EXTRACELLULAR (POTENTIAL).
7 (POTENTIAL).
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5 (POTENTIAL).
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77C2A8F1 CRC32;
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6 (POTENTIAL
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IL8A_HUMAN
P25024;
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C: -: TISSUE SPECIFICITY: NEUTROPHILS.
C: -: SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
C: -: CAUTION: WAS ORIGINALLY (REF.2) THOUGHT TO BE THE RECEPTOR FOR REAL; M74240; G165449; -.
REMBL; M74240; G165441; -.
REMBL; M82873; G165441; -.
REMBL; M82873; G165441; -.
REMBL; M23669; A23669.
R PIR; A23669; A23669.
R PIR; A216541; -.
R GCRDB; GCR_0107; -.
R GCRDB; GCR_0107; -.
                                                                                                                                                                                                                               LEE J., KUUNG W.J., RICE G.C., WOOD W.I.;
J. IMMUNOL. 148:1261-1264(1992).
-!- FUNCTION: RECEPTOR TO INTERLECKIN-8, WHICH IS A POWERFUL
NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND
MESSENGER SYSTEM.
                                          ILBRA OR CXCRI.
ORYCTOLAGUS (NABBIT).
EUKARYOTA, METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; LAGOMORPHA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REF. 2)
                                                                                        SEQUENCE FROM N.A.
MEDLINE; 91378994.
BECKMANN M.P., MUNGER W.E., KOZLOSKY C., VANDENBOS T., PRICE 'LEYMAN S., GERARD N.P., GERARD C., CERRETTI D.P.;
BIOCHEM. BIOPHYS. RES. COMMUN. 179:784-789(1991).
     01-FEB-1991 (REL. 17, CREATED)
01-MAY-1992 (REL. 22, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR A (IL-8R A) (CXCR-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                 PROTEIN_RECEPTOR; 1.
CEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PAFCPDHAYLGRLGGKRLDFR (IN HA -> QS (IN REF. 2).
R -> C (IN REF. 2).
DI -> EL (IN REF. 2).
2EB3947D CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 (FOIENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BY SIMILARITY.
DLLFALTMPIWAVSKEKGWIFG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    POTENTIAL.
                                                                                                                                              SEQUENCE FROM N.A.
STRAIN-ALBINO; TISSUE-NEUTROPHILS;
MEDLINE; 91056034.
THOMAS K.M., PYUN H.Y., NAVARRO J.;
J. BIOL. CHEM. 265:20061-20064(1990).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ψ¥.
                                                                                                                                                                                                                                                                                                                                                                                                                                 G_PROTEIN_
RECEPTOR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             40622
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67
73
1114
1138
1159
232
247
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192
111
                                                                                                                                                                                                     SEQUENCE FROM N.A.
TISSUE-NEUTROPHILS;
MEDLINE; 92148149.
                                                                                                                                                                                                                                                                                                                                                                                                 GCRDB; GCR_0107; -
GCRDB; GCR_0108; -
GCRDB; GCR_028; -
PROSITE; PS00237; G
G-PROTEIN COUPLED RI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                146
204
287
355 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              7441
688
139
139
148
148
188
188
188
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188
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TRANSMEM
DOMAIN
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TRANSMEM
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CONFLICT
SEQUENCE
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DISULFID
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                                                                                                                                                                                                                                                                               MEDLINE; 93205012.
CERRETII D.P., KOZLOSKY C.J., VANDEN BOS T., NELSON N., GEARING D.P.,
BECKMANN M.P.;
                                                                                    45 YVVVVIYALVFLLSLLGNSLVMLVILYSRSNRSVTDVYLLNLAMADLLFALTMPIWAVSK 104
                                                                                                                                                                                                                                                                                                                                             LPLLVMLFCYGFTLRTLFQAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTHV 277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-MAY-1992 (REL. 22, CREATED)
01-MAY-1992 (REL. 22, LAST SEQUENCE UPDATE)
01-FEB-1996 (REL. 33, LAST ANNOTATION UPDATE)
11-FEB-1996 (REL. 33, LAST ANNOTATION (PDATE)
11 (CXCR-1) (CDW128).
                                                                                                                            38 YLYRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSH 97
                                            Gaps
                                                                                                                                                                                                                                                           161 ICLGIWALSLILSLPFFLFRQVFSPNNSSPVC---YEDLGHNTAKWRWVLRILPHTFGFI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE; 93252387.
MOLLEREAU C., PASSAGE E., MATTEI M.-G., VASSART G., PARMENTIER
GENOMICS 16:248-251(1993).
                                          70; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HOMO SAPIENS (HUMAN).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALLA;
EUTHERIA; PRIMATES.
Length 355;
                                                                                                                                                                                                                                                                                                                                                                                                                                 278 IQETCQRRNDIDRALDATEILGFLHSCLNPIIYAFIGQNFRNGFLKML 325
                                                                                                                                                                                                                                                                                                                                                                                                                                                        276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KUANG W.-J., RICE G.C., WOOD W.I.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE-PLACENTA;
MEDLINE; 95014476.
AHUJA S.K., SHETIX A., TIFFANY H.L., MURPHY P.M.;
J. BIOL. CHEM. 269.26381.26389(1994).
Score 990; DB 1; L. Pred. No. 6.81e-170; 78; Mismatches 70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              350 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A., AND CHARACTERIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOL. IMMUNOL. 30:359-367(1993)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HOLMES W.E., LEE J., KUANG W
SCIENCE 253:1278-1280(1991).
Query Match 35.6%;
Best Local Similarity 45.1%;
Matches 130; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A. MEDLINE; 91368199.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
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CHARACTERIZATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ILBRA OR CXCR1
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10
24
360 AA;
        SEQUENCE FROM N.A
                                                                                     SIMILARITY).
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                                                                                                                                       CHEMOTAXIS
                                                                                                                                                DOMAIN
TRANSMEM
DOMAIN
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TRANSMEM
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TRANSMEM
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TRANSMEM
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CARBOHYD
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                                                                                                                                                                                                                                   DOMAIN
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                                                                                                                                                                                                                                                                                                                                                                                                      86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                           145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                               NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIXAFIGQNFRHGFLK 318
                                                                                                                                                                                                                                                                                                                                 25 YCAPCRRSGSSPG-YLYRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIAD 83
                                                                                                                                                                                                                                                                                                                      27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                      RNVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BOS TAURUS (BOVINE).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; ARTIODACTYLA.
                                                                                                                                                                                                                                                                                                      80; Indels 12;
                                                                                                                                                                                                                                                                                    Length 350;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
HIGH AFFINITY INTERLEUGIN-8 RECEPTOR B (IL-8R B) (CXCR-2)
                                                                  MIM; 146929; -.
PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                              S (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                        EXTRACELLULAR (POTENTIAL)
5 (POTENTIAL).
                                                                                                     EXTRACELLULAR (POTENTIAL)
                                                                                                                                       EXTRACELLULAR (POTENTIAL)
                                                                                                             CYTOPLASMIC (POTENTIAL).
                                                                                                                                                       (POTENTIAL).
                                                                                                                                                                                                                                                                                     Score 984; DB 1; Lo
Pred. No. 1.17e-168;
                                                                                                                                                                                                                                                              -> S.
7E6737E6 CRC32;
                                                                                                                                                                                                                                  POTENTIAL.
POTENTIAL.
BY SIMILARITY.
                                                                                                                                                                                                                                                                                                      76; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   360 AA
                                                                                                                                               CYTOPLASMIC (F
                                                                                                                              2 (POTENTIAL)
                                                                                                                                                               4 (POTENTIAL)
                                                                                                                                                                                                                                                                     39805 MW;
                                                                                                                                                                                                                                                                                     35.4%;
                                                                                                                                                                                                                                                                                                        Conservative
                                                                                             CHEMOTAXIS; POLYMORPHISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
               EMBL; M68932; G186370;
EMBL; X65858; G312047;
EMBL; U11870; G511805;
                                         PIR; A39445; A39445.
GCRDB; GCR_0175; -.
GCRDB; GCR_0696; -.
                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                   350 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ILBRB OR CXCR2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7
IL8B_BOVIN
Q28003;
01-NC
                                                                                                                                                                                                                                                                                                      Matches 134;
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IL 322
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                                                                                                             TRANSMEM
DOMAIN
TRANSMEM
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TRANSMEM
DOMAIN
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DISULFID
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TRANSMEM
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TRANSMEM
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                                                                                                     DOMAIN
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6
LITY, FENG J., TEMPLETON J.W.;
SUBMITTED (JAN-1996) TO EMEL/GENBANK/DDBJ DATA BANKS.
-! FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL
NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR
CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND
MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY
AND TO GRO/MGSA AND NAP-2 ALSO WITH A HIGH AFFINITY (BY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             201
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LLFAMTLPIWTASKAKG-WVFGTPLCKVVSLLKEVNFYSGILLLACISMDRYLAIVHATR 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          36 Y-SPCEISTETLNKYAVVVIDALVFLLSLLGNSLVMLVILYSRIGRSVTDVYLLNLAMAD 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              118B_RABIT STANDARD; PRT; 358 AA.
P35344;
01-JUN-1994 (REL. 29, CREATED)
01-JUN-1994 (REL. 29, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (IL-8R B) (CXCR-2) (GRO/MGSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. 2.02e-167; 78; Mismatches 78; Indels 12; Gaps
                                                                                                                                                                                                                             SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS., U19947; G1145878; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   154 T--L-TQKWHWVKFICLGIWALSVILALPIFIFREAYQPPYSDLVC---YEDLGANTIKW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NLVLIADTLMRAHVIAETCORRNDIGRALDATEILGFLHSCLNPLIYVFIGOKFRHGLLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RMIMRVLPQTFGFLLPLLVMLFCYGFTLRTLFSAQMGHKHRAMRVIFAVVLVFLLCWLPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; DB 1; Length 360;
2.02e-167;
                                                                                                                                                                                                                                                                                                   PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
7 (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EXTRACELLUTAR (POTENTIAL).
3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                   EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
BY SIMILARITY.
POTENTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                    (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2B1DD168 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                             1 (POTENTIAL)
CYTOPLASMIC (
                                                                                                                                                                                                                                                                                                                                                                                                                                                           (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 978;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       40625 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 35.2%;
Best Local Similarity 44.4%;
Matches 134; Conservative
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378 AA

PRT;

STANDARD;

9

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CKR7_HUMAN
                                                                                                                                                                                                                                                                                                                                                       DOMAIN
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                                                                                                                                                                                                                                                                                   SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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8
                                      95 FATTLPIWAASKVHG-WTFGTPLCKVVSLVKEVNFYSGILLLACISVDRYLAIVHATRIM 153
                                                                                                                                                                                                                                                                                                                                                                                                                     154 -IQKRHL--VKFICLSMWGVSLILSLPILLFRNAIFPPNSSPVC---YEDMGNSTAKWRM 207
                                                                                                                                                                                                                                                                                                                                                                                                                                  203
                                                                                                                                                                                                                                                                                                                                                                                                                                                208 VLRILPQTFGFILPLLVMLFCYVFTLRTLFQAHMGQKHRAMRVIFAVVLIFLLCWLPYNL 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                        204 IMIGLELLFGFFIPLMFWIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNM 263
                                                                                                                                                                                                                                                                                                                                                              94
                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                         SUBCELUILAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
TISSUE SPECIFICITY: EXPRESSED PREFERENTIALLY IN NEUTROPHILS.
SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
                                                                                                                                                                                                                                                                                                                                                                                                                             35 APCRSESLETNSYVVLITYILVFLLSLLGNSLVMLVILYSRSTCSVTDVYLLNLAIADLL
                                                                                                                                                                                                                                                                                                                                                                                                 ORYCTOLAGUS CUNICULUS (RABBIT).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; LAGOMORPHA.
                                                                                                                                                                                                                                                                                                                                                11;
                                                                                                                                                                                                                                                                                                                                   Length 358;
                                                                                                                                                                                                                                                                                                                                                77; Indels
                                                                                                                                                                   PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                          EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                            2 (POTENTIAL).

EXTRACELLULAR (POTENTIAL)

3 (POTENTIAL).

CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                         4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
5 (POTENTIAL).
                                                                                                                                                                                                                                                                          EXTRACELLULAR (POTENTIAL)
7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                1 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                       5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                        9.57e-165;
                                                                                                                                                                                                                                                                                                             SIMILARITY.
90C46E08 CRC32;
                                                                                                                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                 80; Mismatches
                                                                                                                                                                                                                                                                    (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                 Score 965;
                                                                                                                                                                                                                                                                                                POTENTIAL
                                                                                                                                                                                                                                                                                                       POTENTIAL
                                                                                                                                                                                                                                                                                                                                          Pred. No.
                                                                                                                                                                                                                                                                                                                     MW;
                                                                                                                                                                                                                                                                                                                                  34.78;
                                                                                                                                                                                                                                                                                                                     40632
                                                                                                                                                                                                                                                                                                                                        larity 44.0%
Conservative
                                                                                                                                               L24445; G437662;
                                                                                                                                                      PIR; A53752; A53752.
                                                                                                                                                                                                                                                                                                            117
358 AA;
                                                                                                                                                                                                                                                                                                                                       Local Similarity
es 132; Conser
                                                                                                                                                              GCR_0861
RECEPTOR).
ILBRB OR CXCR2
                                                                                                                    4GSA (GRO)
                                                                                                                                                                                 CHEMOTAXIS.
                                                                                                                                                                                                       DOMAIN
TRANSMEM
                                                                                                                                                                                                                                                                          DOMAIN
TRANSMEM
                                                                                                                                                                                                                                                                                                             DISULFID
                                                                                                                                                                                                PRANSMEM
                                                                                                                                                                                                                            FRANSMEM
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                                                                                                                                                              GCRDB;
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                                                                                                                                                                                                                                                                       TISSUE-PLACENTA:
MEDLINE; 95154835
SCHWEICKART V.L., RAPORT C.J., GODISKA R., BYERS M.G., EDDY R.L. JR.,
SHOWS T.B., GRAY P.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        38 YLYRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSH 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
01-CCT-1993 (REL. 27, CREATED)
01-FEB-1996 (REL. 33, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
02-C CHEMORINE RECEPTOR TYPE 7 PRECURSOR (C-C CRR-7) (CCR7) (EBV-INDUCED G PROYEIN-COUPLED RECEPTOR 1) (EBI1) (BLR2).
CMKBR7 OR EBII OR EVII.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TRANSMEMBRANE; GLYCOPROTEIN; SIGNAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7;
                                                                                                             EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                        BIRKENBACH M.P., JOSEFSEN K., YALAMANCHILI R.R., LENOIR G.M.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C-C CHEMOKINE RECEPTOR TYI EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6 (POTENTIAL).
EXTRACELLUIAR (POTENTIAL)
7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
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4 (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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IW -> SA (IN REF. 1).

L -> I (IN REF. 1).

019600F0 CRC32;
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Pred. No. 6.36e-164;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PROTEIN_RECEPTOR; 1
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Local Similarity 45.7%;
les 134; Conservative
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247
263
289
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36
                                                                                             (HUMAN)
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36
129
182
337
378 AA;
                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
                                                                                                                                                          SEQUENCE FROM N.A. MEDLINE; 93188173.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GCRDB; GCR_0492;
                                                                                                HOMO SAPIENS
                                                                                                                                                                                                            ELLIOTT K.
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CONFLICT
SEQUENCE
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CARBOHYD
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94 FALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATRTL 152
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220
248
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CKR7_MOUSE
P47774;
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TRANSMEM
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TRANSMEM
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6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FUNCTION: RECEPTOR TO INTEKLEUKIN-8, WHICH IS A POWERFUL NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A G-PROTEIN THAT ACTIVATE A PHOSPHATINDYLINOSITOL-CALCIUM SECOND MESSENOER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY AND TO GRO/MGSA AND NAP-2 ALSO WITH A HIGH AFFINITY.
  157
                                                   234
                                                                                                                                                           294
                                                                                                                                                                                                               275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           B) (CXCR-2) (FRAGMENT).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
98 ATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRILPRSKI
                                                   178 SCVGIWILATVLSIPELLYSD-LQRSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV
                                                                                    |: :| |: :: | : :::| |: ::||158 ICLVVWGLSVIISSSTFVFNQKYNTQGSDVCEPKYQTVSEPIRWKLLMLGL-ELLFGFFI
                                                                                                                                                           235 PLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT
                                                                                                                                                                                      295 SSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 347
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MACACA MULATTA (RHESUS MACAQUE).
EURARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S., GONZALEZ-ROCES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
7 (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNORATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (ILL-8R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MW; B592FE64 CRC32;
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                                                                                                                                                                                                                                                                                                                                                                                                                           353 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BY SIMILARITY. POTENTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (POTENTIAL)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ALVAREZ V., COTO E., SETIEN F., GONZALEZ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 959;
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                                                                                                                                                                                                                                                                                                                                                                                                                           PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IMMUNOGENETICS 43:261-267(1996)
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43.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                           STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   x91116; E198176;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
les 129; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  353 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EUTHERIA; PRIMATES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96175151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CXCR2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOPEZ-LARREA
                                                                                                                                                                                                                                                                                                                                                                                                                           IL8B_MACMU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CHEMOTAXIS
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FRANSMEM
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DOMAIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      028519
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206
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-!- FUNCTION: RECEPTOR FOR THE ELC/MIP3B CHEMOKINE. PROBABLE MEDIATOR
                                                                                                                                                                   263
                                                                                                                                                                                                                         60 FL-PLMYSVICFVGLLGNGLVILTYIYFKRLKTMTDTYLLNLAVADILFLLILPFWAYSE 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                               267 VLLADTLMRTQVIQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGQKFRHGLLKIL
| ||||:|| | | ||:|| 86 FVLTLPFWAVSHATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSF
                                                    153 TQK-RYL--VKFICLSIWGLSLLLALPVLLFRRTVYSSNVSPAC---YEDMGNNTANWRM
                                                                                                                              LLRILPQSFGFIVPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYSL
                                                                                                                                                                                                                                                                                                                                                   01-FEB-1996 (REL. 33, CREATED)
01-FEB-1996 (REL. 33, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
C-C CHEMOKINE RECEPTOR TYPE 7 PRECURSOR (C-C CKR-7) (CCR7) (EBV-INDUCED G PROTEIN-COUPLED RECEPTOR 1) (EBIL).
CMKBR7 OR EBIL OR EBILH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MUS MUSCULUS (MOUSE).
EURARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C-C CHEMOKINE RECEPTOR TYPE 7. EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 378;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     78; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SIMILARITY.
9602A43B CRC32;
                                                                                                                                                                                                                                                                                                                  378 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     74; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 959;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  POTENTIAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN-B6/CBA; TISSUE-THYMUS; MEDLINE; 95154835.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                34.5%;
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Matches 134; Conservative
                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
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APCRPESLEINKYFVVIIYALVFLLSLIGNSLVMLVILYSRVGRSVTDVYLLNLALADLL 93

34 27

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ICLSIWGLSLLLALPVLLFRRTVYSSNVSPAC---YEDMGNNTANWRMLLRMLPQSFGFI

216 IPLMFWIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKM 275

279 IQETCERRNHINRALDATEILGILHSCLNPLIYAFIGQKFRHGLLKIL 326

VPLLIMLECYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQV

219 158

Š 셤 ŏ g ò 01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE) HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (IL-8R B) (CXCR-2) (GRO/MGSA

RECEPTOR) (IL-8 RECEPTOR TYPE 2).

ILBRB OR CXCR2.

(REL. 33, LAST SEQUENCE UPDATE)

01-FEB-1996 01-NOV-1997

01-MAY-1992 (REL. 22, CREATED)

360 AA

PRT;

STANDARD;

IL8B_HUMAN P25025;

HOMO SAPIENS (HUMAN). EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;

EUTHERIA; PRIMATES

SEQUENCE FROM N.A.

g à g

38 YLYRIAYSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSH 97

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IMMUNOGENETICS 43:261-267(1996).

-! FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL NEUTROPHILS. CHEMOTACTIC FACTOR. BINNING OF IL-8 TO THE RECEPTOR CAUSES ACTIVATION OF PURPOSHILS. THIS RESPONSE IS MEDIATED VIA A G-PROTEIN THAT ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY.

-! SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.

-! SUBLIBRATIX: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
                           | :|:||: ||:||| ||:|| ||:|| ||:|| ||:|||:|||:|||:|| ||:|| ||:|| ||:|| ATGAWVESNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI 157
                                                                                                      SCVGIWMLALFLSIPELLYSGLQKNSGEDT -- LRCSLVSAQVE-ALITIQVAQMVFGFLV 234
                                                                                                                                                                                                                                           AK-SWIFGVYLCKGIFGIYKLSFFSGMLLLLCISIDRYVAIVQAVSRHRHRARVLLISKL 177
                                                                                                                                                                                                             PMLAMSFCYLIIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       B) (CXCR-2) (FRAGMENT).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  72; Indels 10; Gaps
                                                                                                                                     NSSCETSKQLNIAYDVTYSLASVRCCVNPFLYAFIGVKFRSDLFKLFKDLGCL 347
                                                                                                                                                                                                                                                                                                                                                  EUKARYOTA; METAZÓA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         s.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES LOPEZ-LARREA C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 951; DB 1; Length 353;
Pred. No. 7.25e-162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; X91113; E198174; --
PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN; CHEMOTAXIS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CYTOPLASMIC (POTENTIAL).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (IL-8R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            39998 MW; F4564B58 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     80; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       353 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PAN TROGLODYTES (CHIMPANZEE)
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Local Similarity 43.8%;
les 126; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            353 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A. MEDLINE; 96175151.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OR CXCR2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IL8B_PANTR
028807;
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TRANSMEM
DOMAIN
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TRANSMEM
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TRANSMEM
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TRANSMEM
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CARBOHYD
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SEQUENCE
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TRANSMEM
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119
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MEDLINE; 93205012. CERRETTI D.P., KOZLOSKY C.J., VANDEN BOS T., NELSON N., GEARING D.P., BECKMANN M.P.;

MOL. IMMUNOL. 30:359-367(1993)

SEQUENCE FROM N.A.

94209273

MEDLINE; SPRENGER F

SEQUENCE FROM N.A., AND CHARACTERIZATION

MEDLINE, 91368200. MURPHY P.M., TIFFANY H.L.; SCIENCE 253:1280-1283(1991).

RENGER H., LLOYD A.R., LAUTENS L.L., BONNER T.I., KELVIN BIOL. CHEM. 269:11065-11072(1994).

TISSUE-PLACENTA;
MEDILINE; 95014477 A., TIFFANY H.L., MURPHY P.M.;
J. BIOL. CHEM. 269:26381-26389(1994).

SECUENCE FROM N.A.

```
CHARACTERIZATION.

MEDLINE; 9235587.

A LEE J., HORUK R., RICE G.C., BENNETT G.L., CAMERATO T., WOOD W.I.;

LEE J., HORUK R., RICE G.C., BENNETT G.L., CAMERATO T., WOOD W.I.;

L. J. BIOL. CHEM. 267:16283-16287(1992).

-I- FUNCTION: RECEPTOR TO INTERLEUKIN-8, WHICH IS A POWERFUL

NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-8 TO THE RECEPTOR

CAUSES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A
G-PROTEIN THAY ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND

MESSENGER SYSTEM. THIS RECEPTOR BINDS TO IL-8 WITH A HIGH AFFINITY.

AND TO GRO/MOSA AND NAP-2 ALSO WITH A HIGH AFFINITY.

CHICARACTERISTIC FAMILY I OF G-PROTEIN COUPLED RECEPTORS.

REMBL; M39412, G576679; --

REMBL; M99412, G576679; --

REMBL; M99412, G576679; --

REMBL; U19693; G559054; --

REMBL; U19693; G559054; --

REMBL; U11869; G511803; --

REMBL; W39446; W33446.
7;
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YFVVIIYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALADELFALTLPIWAASK 105

46

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GCRDB;

GCRDB;

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SEQUENCE 5.0.7

MEDLINE, 95370289.

POWER C.A., MEYER A., NEMETH K., BACON K.B., HOOGEWERF A.J.,

PROUDFOOT A.E.I., WELLS T.N.C.;

J. BIOL. CHEM. 270-19495-1950((1995).

-I- FUNLION: RECEPTOR FOR A C-C TYPE CHEMOKINE. BINDS TO MIP-1-ALPHA

-I- FUNLION: RECEPTOR FOR A C-C TYPE CHEMOKINE. BINDS TO MIP-1-ALPHA

-I- FUNLION: RECEPTOR FOR A C-C TYPE CHEMOKINE. BINDS TO MIP-1-ALPHA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              46 YEVVIIYALVFILSLLGNSLVILVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASK 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98 ATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            162 ICLSIWGLSLLLALPVLLFRRTIYPSNVSPVC---YEDMGNNTANWRMLLRILPQSFGFI 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            219 VPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQV 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              106 VNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATRTLTQK-RYL--VKF 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 1.24e-160; 79; Mismatches 73; Indels 10; Gaps
                                             -1- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS. EMBL; X91114; E198175; -. PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1. G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-OCT-1996 (REL. 34, CREATED)
01-OCT-1996 (REL. 34, LAST SEQUENCE UPDATE)
01-OCT-1996 (REL. 34, LAST ANNOTATION UPDATE)
C-C CHEMOKINE RECEPTOR TYPE 4 (C-C CKR-4) (CCCKR-4) (K5-5).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             279 IQETCERRNHINQALDATEILGILHSCLNPLIYAFIGQKFCHGLLKIL 326
       A HIGH AFFINITY.
                                                                                                                                                                                                                                                                          2 (POTENTIAL). EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                          4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
5 (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
                              MEMBRANE PROTEIN
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       ALSO
                              INTEGRAL
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AND TO GRO/MGSA AND NAP-2
SUBCELLULAR LOCATION: INTE
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Local Similarity 43.8%;
les 126; Conservative
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193
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353
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           49 YFVVIIYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNIALADLLFALTLPIWAASK 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           109 VNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATRILTQK-RYL--VKF 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     165 ICLSIWGLSLLLALPVLLFRRTVYSSNVSPAC---YEDMGNNTANWRMLLRILPQSFGFI 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            222 VPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQV 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-NOV-1997 (REL. 35, CREATED)
01-NOV-1997 (REL. 35, LAST SEQUENCE UPDATE)
01-NOV-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (IL-8R B) (CXCR-2) (FRAGMENT).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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ALVAREZ V., COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           72; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GORILLA GORILLA GORILLA (LOWLAND GORILLA).
EURARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 951; DB 1; Length 360;
Pred. No. 7.25e-162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          282 IQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGGKFRHGLLKIL 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      276 NR-SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKIL 322
                                                                                                                                                                                              1 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                       TRANSMEMBRANE; GLYCOPROTEIN;
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5 (POTENTIAL).
6 (POTENTIAL).
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EXTRACELLULAR (POTENTIAL).
7 (POTENTIAL).
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CYTOPLASMIC (POTENTIAL)
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135ECEAE CRC32;
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                                                                                           PROSITE; PS00237; G_PROTEIN_RECEPTOR; 1, G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  POTENTIAL
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IMMUNOGENETICS 43:261-267(1996)
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                    GCR_0610;
GCR_1001;
GCR_0077;
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                                                                       MIM; 146928
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Q28422;
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                                                                                                                                                                                                                                                                                                                                                                                                                           Score 927; DB 1; Length 360;
Pred. No. 6.19e-157;
81; Mismatches 78; Indels 13; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCTKEGIKAFGELFLPPLYSLVFVFGLLGNSVVVLVL-FKYKRLRSMTDVYLLNLAISDL 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN.
-!- TISSUE SPECIFICITY: RESTRICTED TO LEUKOCYTE-RICH TISSUES.
-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
EMBL; X85740; G971452; -.
G-PROTEIN COUPLED RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN.
DOMAIN

1 39
EXTRACELULAR (POTENTIAL).
                                                                                                                                                                                3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
EXTRACELLUIAR (POTENTIAL).
5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
EXTRACELLUIAR (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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8738E75E CRC32;
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                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 33.4%;
Best Local Similarity 42.9%;
Matches 129; Conservative
                                                                                                                                                                                                                                               226
242
267
284
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308
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Search completed: Fri Nov 13 12:05:50 1998 Job time : 40 secs.

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protein - protein database search, using Smith-Waterman algorithm Fri Nov 13 12:06:08 1998; MasPar time 21.91 Seconds 829.627 Million cell updates/sec MPsrch_pp Run on:

Tabular output not generated.

>US-08-887-977-10 (1-365) from US08887977.pep 2779 1 MESTPVKIILCQSILHITQL.......NISRQTSETADNDNASSFTM 365 Title:

Description: Perfect Score: Sequence:

Scoring table:

PAM 150 Gap 11

Searched:

165420 segs, 49795644 residues

Minimum Match 0% Listing first 45 summaries Post-processing:

Database:

sptrembl6

1:sp_archea 2:sp_bacteria 3:sp_fungi 4:sp_human

5:sp_invertebrate 6:sp_mammal 7:sp_mhc 8:sp_organelle

9:sp_phage 10:sp_plant 11:sp_rodent 12:sp_unclassified

13:sp_vertebrate 14:sp_virus

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Mean 47.707; Variance 110.430; scale 0.432 Statistics:

SUMMARIES

Pred. No.	0.00e+00	1.60e-119	6.32e-118	3.24e-117	1.10e-116	1.70e-113	1.70e-113	2.55e-113	5.76e-113	3.39e-111	1.98e-109	1.01e-108	3.42e-108	3.42e-108	1.16e-107	3.92e-107	6.73e-106	6.67e-103	5.07e-102	6.55e-100
Description	G PROTEIN-COUPLED RECE	INTERLEUKIN-8-LIKE REC	RECEPTOR PROTEIN CKR3.	G PROTEIN-COUPLED RECE	CHEMOKINE RECEPTOR CCR	CCR5 RECEPTOR (FRAGMEN	CCR5 RECEPTOR (FRAGMEN	CHEMOKINE RECEPTOR CCR	CCR5 RECEPTOR (FRAGMEN	CCR5 RECEPTOR (FRAGMEN	CHEMOKINE RECEPTOR CCR	CC-CHEMOKINE RECEPTOR	CHEMOKINE RECEPTOR.	CCR5 RECEPTOR (FRAGMEN	CHEMOKINE (C-C) RECEPT	CCR10-RELATED RECEPTOR				
A	054689	042444	055169	015185	054814	062743	062746	062745	062744	018770	015538	055193	018772	018771	000537	000290	018793	014694	008707	009027
DB	17	13	11	4	11	9	9	9	9	ø	4	1	9	9	4	4	ဖ	4	=	11
% Query Match Length DB	367	368	359	415	359	352	352	352	352	352	352	373	352	352	384	384	360	333	378	382
% Query Match	73.8	30.0	29.7	29.5	29.4	28.8	28.8	28.7	28.6	28.3	27.9	27.8	27.7	27.7	27.6	27.5	27.2	26.6	26.4	26.0
Score	2051	833	824	820	817	799	799	798	196	786	776	772	169	169	992	763	756	739	734	722
Result No.	-	7	e	4	ស	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20

4.96e-99	8.43e-98	1.89e-97	4.60e-93	1.35e-63	2.13e-62	2.62e-58	2.62e-58	1.41e-54	4.55e-54	1.02e-52	2.28e-51	7.30e-51	1.08e-50	1.58e-50	5.22e-48	5.27e-47	7.75e-47	1.67e-43	7.70e-43	2.34e-40	1.01e-37	2.06e-36	5.73e-34	7.83e-33
CXCR4 GENE ENCODING RE		CHEMOKINE RECEPTOR CXC	G PROTEIN-COUPLED RECE	MESENCHYME-ASSOCIATED	BRADYKININ B2 RECEPTOR	CHEMOKINE RECEPTOR LCR	P2Y5-LIKE RECEPTOR.	MU-OPIOID RECEPTOR.	ANGIOTENSIN II RECEPTO	CXC CHEMOKINE RECEPTOR	ORNITHOKININ RECEPTOR.	G-PROTEIN COUPLED RECE	OPIOID RECEPTOR HOMOLO	G-PROTEIN COUPLED RECE	ADRENOMEDULLIN RECEPTO	ANGIOTENSIN RECEPTOR R	G PROTEIN COUPLED P2Y	CCR6.	ANAPHYLATOXIN C5A RECE	G PROTEIN-COUPLED RECE	BRADYKININ RECEPTOR, B	SOMATOSTATIN RECEPTOR	ORPHAN G PROTEIN-COUPL	L-CCR.
060835	046428	062747	609680	P79960	070526	062973	015132	042324	092158	042445	042402	035811	057585	015218	064166	P70058	057466	000421	070129	043494	061125	035715	046685	070171
4	9	9	14	13	1	디	4	2	13	13	13	11	13	4	디	13	13	4	디	4	11	금	9	11
360	352	352	383	353	372	332	370	383	238	185	381	361	373	404	395	303	374	344	345	375	334	168	361	360
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717	710	708	683	513	206	482	482	460	457	449	441	438	437	436	421	415	414	394	390	375	359	351	336	329
21	22	23	24	25	56	27	28	58	30	31	32	33	34	32	36	37	38	39	40	41	42	43	44	45

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SEQUENCE FROM N.A.
STRAIN-WISTRA, TISSUE-SPLEEN;
JIANG Y., SARAFRANCA M.N., ADHIRARI S., XIA Y., FENG L., SONNTAG M.K.,
DEFIEBRE C.M., PENNELL N.A., STREIT W.J., HARRISON J.K.;
                                                                                                                                                                                                                                                222 IFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNRSCQS 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          107 YSLLFLLGLLGNGAVRAVLLSRRTALSSTDTFLLHLAVADTLLVLTLPLWAVD-AAVQWV 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FGSGLCKVAGALFNINFYAGALLLACISFDRYLNIVHATQLYR-RGPP-ARVTLTCLAVW 223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               104 FSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKIICLVVW 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CYAHILAVLLVSRGQRRLRAMRLVVVVVVAFALCWTPYHLVVLVDILMDLGALARNCGRE 340
103 VFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKIICLVV 162
                                                                                                                                                                                                           220 VICYSGIIKTLLRCPNKKKHKAIQLIFVVMIVFFIFWTPYNLVLLLSAFHSTFLETSCQQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GLCLLFALPDFIFLSAHHDERLNATHCQYN-FPQ-VGRTALRV-LQLVAGFLLPLLVMAY
                                                                  WGLAVLAALPEFIFHESQDNFGDLSCSPRYPE-GEEDSWKRFHALRMNI-FGLALPLLIM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RATTUS NORVEGICUS (RAT).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                283 KLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKILKDLWCVRRK 331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 415;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          94; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MARQUEZ
BANKS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , LAST SEQUENCE UPDATE)
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06, LAST ANNOTATION UPDATE)
                                                                                                                                                                                                                                                                                                                                                                                             282 EKLIGYTKTVTEVLAFLHCCLNPVLYAFIGGKFRNYFLKIL 322
                                                                                                                                                                                                                                                                                                                                                    280 SIHLDLAMQVTEVITHTHCCINPIIYAFVGERFRKH-LRLF 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 820; DB 4; Le
Pred. No. 3.24e-117;
76; Mismatches 94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
GUTIERREZ J., VARONA R., ZABALLOS A., LIND P.,
SUBMITTED (SEP-1996) TO EMBL/GENBANK/DDBJ DATA
EMBL; Z79783; E264773; -.
PFAM, PF00001; 7tm_1.
SEQUENCE 415 AA: 45608 MW; EBODF045 CRC32;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 G PROTEIN-COUPLED RECEPTOR CKR-L2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JAN-1998 (TREMBLREL. 05,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29.5%;
38.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 38.8%;
nes 112; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY:
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01-JUN-1998 (TREMBLREL.
01-JUN-1998 (TREMBLREL.
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01-AUG-1998
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054814
054814;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       163 WGLSVIISSSTFVFNQKYNTQGSDVCEPKYQTVSEPIRWKLLMIGLELLFGFFIPLMFMI 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     104 GFGHCMCKMLSGLYYLALYSEIFFIILLTIDRYLAIVHAV--LALRARTVTFATITSIIT 161 |:: ||:| |:| |:| |: :: ::: :::|||:||:| ::
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 54 YWSIVILGGLGNLTVVWIYLHFRQRLKTMTDIYLLNLAVADLFFLGTLPLWAV-EANQGW 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           173 WLLAVILALPEFMFANVKELDGQFYCTMVYWS-NQNNRTKIVVLGLQICMGFCLPLLVMV 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   232 FCYAGIIRTLLKTRSFQKHKALRVILVVVAVFVLSQLPYNSVLVMEATQAANSTQTDCSA 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         223 FCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNRS-CQS 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        45 YSLVFIVGLLGNMAVVLILIKYRKLQIMTNIYLLNLAISDLLFLFTVPFW-IHYVLWNEW 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                        ONCORHYNCHUS MYKISS (RAINBOW TROUT) (SALMO GAIRDNERI).
EUKARYOTA: METAZOA; CHORDATA; VERTEBRATA; PISCES; GNATHOSTOMATA;
OSTEICHTHYES; ACTINOPTERYGII; SALMONIFORMES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RATTUS NORVEGICUS (RAT).
EUKARYOTA: METAZOA: CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 368;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 359;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             В.Б.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 833; DB 13; Length 36
Pred. No. 1.60e-119;
76; Mismatches 86; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 824; DB 11; Length 35
Pred. No. 6.32e-118;
91; Mismatches 76; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN-WIGTAR; TISSUE-SPLEEN;
HARRINGTON P.M., NEWTON D.J., COLEMAN J.W., FLANAGAN SUBMITTED (JAN-1998) TO EMBL/GENBANK/DDBJ DATA BANKS.
EMBL; X13400; E1247073; -
SEQUENCE 359 Aa, 41609 MW; 874DF714 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.

ZOU J., DANIELS G.D., CUNNINGHAM C., SECOMBES C.J.;
SUBMITTED (NOV-1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
EMBL; AJO01159; 11193478; -
PFRAM; PF00001; 7tm_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 292 AKRFNVVSQVLKSLAYTHACLNPFLYVFVGVRFRRDILKLLR 333
                                                                                                                                                                                                                                     07, LAST ANNOTATION UPDATE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CREATED)
LAST SEQUENCE UPDATE)
LAST ANNOTATION UPDATE)
                                                                                                                                                                                                       LAST SEQUENCE UPDATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      41523 MW; 56D3903B CRC32;
                                                                                                368 AA
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                                                                                                                                                                      CREATED)
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                                                                                                                                                           01-JAN-1998 (TREMBLREL. 05, 01-JAN-1998 (TREMBLREL. 05, 01-AUG-1998 (TREMBLREL. 07, INTERLEUKIN-8-LIKE RECEPTOR.
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Local Similarity 41.1%;
les 116; Conservative
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Local Similarity 37.7%;
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                                                                                            PRELIMINARY;
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01-JUN-1998 (TREMBLREL.
RECEPTOR PROTEIN CKR3.
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055169 PRELIMINARY,
055169;
01-JUN-1998 (TREMBLREL.
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Query Match

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96 FGNTMCQLLTGVYFIGFFSGIFFIILLTIDRYLAIVHAV--FALKARTVTFGLVTSVITW 153
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    146 RLRSRILPRSKIICLVVWGLSVIISSSTFVFNQKYNTQGSD-VCEPKYQTVSEPIRWK-L 203
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-AUG-1998 (TREMBLREL. 07, CREATED)
01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
01-AUG-1998 (TREMBLREL. 07, LAST ANNOTATION UPDATE)
CHEMOKINE RECEPTOR CCR5.
CRECOCEDBUS TORQUATUS AIYS (RED-CROWNED MANGABEY).
EUGRARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                 CERCOCEBUS TORQUATUS ATYS (RED-CROWNED MANGABEY) (SOOTY MANGABEY).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MANMALIA;
EUTHERIA; PRIMATES.
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                                                                                                                                                                                                                                                                                                  Score 799; DB 6; Length 352;
Pred. No. 1.70e-113;
87; Mismatches 73; Indels 11;
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Pred. No. 2.55e-113;
92; Mismatches 80; Indels 13;
                      07, CREATED)
07, LAST SEQUENCE UPDATE)
07, LAST ANNOTATION UPDATE)
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CHEN Z., GETTIE A., HO D.D., MARX P.A.;
VINCLOSY 0.0-0(1998).
EMBL; AF051904; G3135300; -.
SEQUENCE 352 AA; 40460 MW; E6A5AA07 CRC32;
                                                                                                                                                                                                  CHEN Z., GETTIE A., HO D.D., MARX P.A.;
VIROLOGY 0:0-0(1998).
ERBL, AF031905; G3133302; -.
SEQUENCE 352 AA; 40489 MW; FB9CE731 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  270 SSSNRLDQAMQVTETLGMTHCCINPIIYAFVGEKFRNYLL
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Best Local Similarity 37.9%;
Matches 113; Conservative
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Best Local Similarity 38.9%;
Matches 109; Conservative
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                    01-AUG-1998 (TREMBLREL. 01-AUG-1998 (TREMBLREL. 01-AUG-1998 (TREMBLREL. CHEMOKINE RECEPTOR CCR5.
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062745;
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                                                                                                                                                                                44 YSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSHAT-GAW 102
                                                                                                                                                                                                                                                             162 WGFAVLAALPEFIFHESQDNFGDLSCSPRYPE-GEEDSWKRFHALRMNI-FGLALPLLIM 219
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                                                                                                                                                                                                                                     104 GFGHCMCKMLSGLYYLALYSEIFFIILLTIDRYLAIVHAV--LALRARTVTFATITSIIT 161
                                                                                                                                                                                                                                                                                                                                                                                                                        96 FGNTKCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVHA--GFALKARTVTFGVVTSVITW 153
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01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
CHEMOKINE RECEPTOR CCR5.
CERCOEBUS TORQUATUS ATYS (RED-CROWNED MANGABEY) (SOOTY MANGABEY).
EURARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MANMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                           IFCYTFIVKTLVQAQNSK-RHKAIRVIIAVVLVFLACQIPHNMVLLVTA-ANLGKMNRSC
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                                                                               Length 359;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             280 SIHLDLAMQVTEVITHTHCCINPIIYAFVGERFRKH-LRLF 319
                                                                         / Match 29.4%; Score 817; DB 11; L. Local Similarity 37.4%; Pred. No. 1.10e-116; les 105; Conservative 92; Mismatches 76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   270 SSSNRLDQAMQVTETLGMTHCCINPIIYAFVGEKFRNYLL 309
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J. NEUROIMMUNOL. 0:0-0(1998).
EMBL; AF003954; G2897073; -.
SEQUENCE 359 AA; 41643 MW; CIFC70CA CRC32;
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CHEN Z., GETTIE A., HO D.D., MARX P.A.;
VIROCO 10-0-0(1998).
EMBL: AF051902; G3135296; -.
SEQUENCE 352 AA; 40407 MW; 1716CC5C CRC32;
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194 QTLKIVIL-GLVLPLLVMVICYSGILKTLLRCRNEKRRHRAVRLIFTIMIVYFLFWAPYN 252
                    96 FGNTMCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVHAV--FALKARTVTFGLVTSVITW 153
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                                                                                   01-AUG-1998 (TREMBLREL. 07, CREATED)
01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
01-AUG-1998 (TREMBLREL. 07, LAST SEQUENCE UPDATE)
CHEMOKINE RECEPTOR CCR5.
CERCOCCEBUS TORQUATUS ATYS (RED-CROWNED MANGABEY) (SOOTY MANGABEY).
EUKARYOTA, METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MANMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           154 VVAVFASLPGIIFTRS-QREGLHYTCSPHFPYSQYQF-WKNFQTLKIVIL-GLVLPLLVM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CAO Y., WANG G., HAHN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 796; DB 6; Length 352;
Pred. No. 5.76e-113;
87; Mismatches 73; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PAN TROGLODYTES (CHIMPANZEE).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALLA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LAST SEQUENCE UPDATE)
LAST ANNOTATION UPDATE)
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352 AA; 40523 MW; F1C10E99 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C922372D CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZHANG L., CARRUTHERS C.D., HE T., HUANG Y.,
HO D.D.;
AIDS RES. HUM. RETROVIRUSES 0:0-0(1997).
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                                                                                                                                                                                                                           352
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EMBL; AF051903; G3135298; -. SEQUENCE 352 AA; 40503 MW; C922372D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CREATED)
                                                                                                                                                                                                                           PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JAN-1998 (TREMBLREL 05, 01-JAN-1998 (TREMBLREL 05, 01-JUN-1998 (TREMBLREL 06, CCR5 RECEPTOR (FRAGMENT)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Match 28.6%;
Local Similarity 38.9%;
les 109; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AF011538; G2305194;
PFAM; PF00001; 7tm_1.
                                                                                                                                                                                                                           PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
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Best Local S
Matches 10
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SEQUENCE
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062744
062744;
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Gaps 10;
                                                                                                                                                                                                                     222 IFCYTFIVKTLVQAQNSK-RHKAIRVIIAVVLVFLACQIPHNMVLLVTA-ANLGKMNRSC 279
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                                                                                                                        96 FGNTMCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVHAV--FALKARTVTFGVVTSVITW 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             44 YSLICVLGELGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSHATGAWV 103
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                                                                                                  37 YSLVFIFGFVGNILVVLILINCKRLKSMTDIYLLNLAISDLLFLLTVPFWA-HYAAAQWD 95
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ENDUENCE FROM N.A.

ZHANG L., CARRUTHERS C.D., HE T., HUANG Y., CAO Y., WANG G., HAHN
HO D.D.;
ALDS RES. HUM. RETROVIRUSES 0:0-0(1997).

EMBL; AF011536; G2305190; -.

EMBL; AF011536; G2305186; -.

FREMS. PF00001; 7tm_l.

NON_TER 352 AA; 40552 MW; B1ECA8D9 CRC32;
                                                                                                                                                                                                                                                                                                                     164 GLSVIISSSTFVFNQKYNTQGSD-VCEPKYQTVSEPIRWK-LIMIGLELLFGFFIPLMFM
                                                                                                                                                                                                                                                                                                                                                                                        211 VICYSGILKTLLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYNIVLLLNTFQEFFGLNNCS
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                                                                                                                                                                                                                                                                                        154 VVAVFASLPGIIFTRS-QREGLHYTCSSHFPYSQYQF-WKNFQTLKMVIL-GLVLPLLVM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96 FGNTMCQLLJGLYFIGFFSGIFFIILLTIDRYLAVVHAV--FALKARTVJFGVVTSVITW
Score 786; DB 6; Length 352;
Pred. No. 3.39e-111;
87; Mismatches 75; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 776; DB 4; Length 352;
Pred. No. 1.98e-109;
92; Mismatches 73; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CREATED)
LAST SEQUENCE UPDATE)
LAST ANNOTATION UPDATE)
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Local Similarity 37.1%;
les 104; Conservative
  Query Match 28.3%;
Best Local Similarity 38.2%;
Matches 107; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
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HOMO SAPIENS (HUMAN).
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018771
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                                                                                                                                                                                                                                                                                            JIANG Y., SALAFRANCA M.N., ADHIKARI S., XIA Y., FENG L., SONNTAG M.K., DEFIEBER C.M., PENNELL N.A., STREIT W.J., HARRISON J.K.;
J. NEUROIMMUNOL. 0:0-0(1998).
EMBL: U77349; G7896818; -.
SEQUENCE 373 Aa; 42763 MW; 14578A08 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCHKTSVKQIGAWILPPLYSLVFIFGFVGNMLVIIILISCKKLKSMTDIYLFNLAISDLL 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         104 FLLTLPFWA-HYAANEWVFGNIMCKLFTGLYHIGYFGGIFFIILLTIDRYLAIVHAV--F 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   161 ALKARTVTFGVITSVVTWVVAVFASLPGIIFTKSEQEDDQHTCGP-Y--FP-TI-WKNFQ 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           216 TIMRNILSLILPLLVMVICYSGILHTLFRCRNEKKRHRAVRLIFAIMIVYFLFWTPYNIV 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     276 LFLTTFQEFLG-MS-NCVVDMHLDQAMQVTETLGMTHCCVNPIIYAFVGEKFRRY-LSIF 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       44 YSLICVLGLLGNILVVITFAFYKKARSMTDVYLLNMAIADILFVLTLPFWAVSHATGAWV 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     : :::::||: |::||: ||:||: | |::||
206 LGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSK-RHKAIRVIIAVVLVFLACQIPHNMV 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28 PCRRSGSSP-G-YLYRIAYSLICVLGLIGNILVVITFAFYKKARSMIDVYLLINAAIADIL 85
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                                                                                                                                                                                                                                                                                                                                                                                                                                Score 772; DB 11; Length 373;
Pred. No. 1.01e-108;
90; Mismatches 81; Indels 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCRS RECEPTOR (FRAGMENT).
CCR5.
CCR5.
PAN TROGLODYTES (CHIMPANZEE).
EUKARYOTA: METAZOA: CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                                                                                                                                                            RATTUS NORVEGICUS (RAT).
EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels 11;
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                                          01-JUN-1998 (TREMBLREL. 06, CREATED)
01-JUN-1998 (TREMBLREL. 06, LAST SEQUENCE UPDATE)
CHEMOKINE RECEPTOR CGR2.
RATTUS NORVECTORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-JAN-1998 (TREMBLREL. 05, CREATED)
01-JAN-1998 (TREMBLREL. 05, LAST SEQUENCE UPDATE)
01-JUN-1998 (TREMBLREL. 06, LAST ANNOTATION UPDATE)
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Best Local Similarity 36.8%; Pred. No. 3.42e-108;
Matches 103; Conservative 92; Mismatches 74;
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352 AA; 40598 MW; A9BF8EDF CRC32;
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STRAIN-CHCCR5-142A;
ZHANG L., CARRUTHERS C.D., HE T., HUANG Y.,
                     373 AA
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                       PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 27.8%;
Best Local Similarity 37.7%;
Matches 113; Conservative
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PFAM; PF00001; 7tm_1.
NON_TER 352 352
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                       PRELIMINARY;
                                                                                                                                                                                                                                                      SEQUENCE FROM N.A. STRAIN-SPRAGUE DAWLEY;
                                                                                                                                                                                                      EUTHERIA; RODENTIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NON_TER
SEQUENCE
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AIDS RES.
LT 12
055193
055193;
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018772
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211 VICYSGILKTLLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYDIVLLLNTFQEFFGLN-NC 269
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FGNTMCQLLTGLYFIGFFSGIFFIILLTIDRYLAIVHAV - FALKARTVTFGVVTSVITW 153
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EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
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Pred. No. 3.42e-108;
92; Mismatches 75;
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AIDS RES. HUM. RETROVIRUSES 0:0-0(1997).
FEMBL; AF011539; G2305196; -.
FEMM; PF00001; 7tm_1.
NON_TER 352
SEQUENCE 352 AA; 40466 MW; D52C67E1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
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Best Local Similarity 36.9%;
Matches 103; Conservative
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O00537;

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O1-JUL-1997 (TREMBLREL. 04,

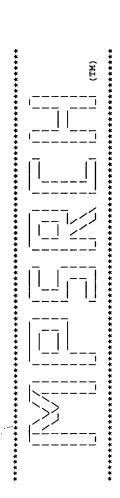
O1-AUG-1998 (TREMBLREL. 07,

CHEMOKINE RECEPTOR CCR-9.
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STRAIN-CHCCR5-141A;
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8;

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Query Match 27.6%; Score 766; DB 4; Length 384;
Best Local Similarity 37.5%; Pred. No. 1.16e-107;
Matches 111; Conservative 84; Mismatches 90; Indels 11; Gaps 10;
                                                                                                                                                                                                                                                        155 LRTRA--KSLLLATIVWAVSLAVSIPDMVFVQTHENPKGVWNCHADFGGHG-TI-WKLFL 210
                                                                                                                                                                                                                                                                                                                                                 96 LVTLPFWGISVAW-HWVFGSFLCKMVSTLYTINFYSGIFFISCMSLDKYLEIVHAQPYHR 154
                                                                                                                                                                                                                                                                                                            36 CRKDAVVSFGKVFLPVFYSLIFVLGLSGNLLLLMVLLRYVPRRRMVEIYLLNLAISNLLF 95
                                                                                                                                                                                                      EUKARYOTA; METAZOA; CHORDATA; VERTEBRATA; TETRAPODA; MAMMALIA;
EUTHERIA; PRIMATES.
                           [1]
SEQUENCE FROM N.A.
NIBBAR R.J.B., LOWE S., GRAHAM G.J.;
SUBMITTED (APR-1997) TO EMBL/GENBANK/DDBJ DATA BANKS.
EMBL: Y12815; E322086; -.
PFAM: PF00001; 7tm_1.
SEQUENCE 384 AA: 43442 MW; AB852379 CRC32;
 SSRRRRSS
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Search completed: Fri Nov 13 12:07:58 1998 Job time : 110 secs.



Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:08:17 1998; MasPar time 4.12 Seconds 627.819 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-10 (1-365) from US08887977.pep 2779 1 MFSTPVKIILCQSILHITQL.......NISRQTSETADNDNASSFTM 365 Description: Perfect Score: Sequence:

PAM 150 Gap 11 Scoring table:

77309 seqs, 7078906 residues Searched:

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

Mean 32.245; Variance 146.091; scale 0.221 a-issued 1:5_COMB 2:PCT9_COMB 3:backfiles1 Statistics: Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Pred. No.	8.26e-79	1.15e-76	1.15e-76	1.15e-76	1.15e-76	\sim	1.15e-76	\sim	9.77e-76	9.77e-76		1.86e-75	1.86e-75	1.35e-73	1.35e-73	1.35e-73	1.50e-71						
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	Score	984	984	984	984	984	984	984	961	961	961	961	961	961	951	951	951	951	948	948	928	928	928	906
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nce 38, Applicatione 5, Applicatione 5, Applicatione 2, Applicatione 3, Applicatione 4, Applicatione 2, Applicatione 2, Applicatione 2, Applicatione 6, Applicatione 6, Applicatione 6, Applicatione 32, Applicatione 32, Applicatione 32, Applicatione 32, Applicatione 46, Applicatione 46, Applicatione 46, Applicatione 46, Applicatione 4, Applicatione 4, Applicatione 3, Applicatione 4, Applicatione 4, Applicatione 3, Applicatione 3, Applicatione 3, Applicatione 4, Applicatione 3, Applicatione 3, Applicatione 3, Applicatione 3, Applicatione 3, Applicatione 4, Applicatione 4, Applicatione 3, Applicatione 3, Applicatione 3, Applicatione 4, Applicatione 3, Applicatione 3, Applicatione 3, Applicatione 4, Applicatione 3, Applicatione 3, Applicatione 4, Applicatione 4, Applicatione 3, Applicatione 4, Applicatione 3, Applicatione 4, Applicatione 4, Applicatione 4, Applicatione 3, Applicatione 4, Applicatione 3, Applicatione 4, Applicatione 4		o AA.		e University of California N MONOCYTE CHEMOATTRACTANT RECEPTORS er & Carson reet, 5th Floor IS-Dos #1.0, Version #1.25 95/00476
Sequence Seq		RT; 350	y	Nocyte C PTORS Carson , 5th Fl 0476
PCT-US93-0 US-08-012-05-05-05-05-05-05-05-05-05-05-05-05-05-	GUMENT	<u>α</u>	rc/10393004/0 n PC/TUS950047	TITLE OF INVENTION: MAMMALIAN MONDER TITLE OF INVENTION: MAMMALIAN MONDER OF SEQUENCES: 14 CORRESPONDENCE ADDRESS: 15 CONFURE: California COUNTRY: California COUNTRY: California COUNTRY: California CONFURES: Floppy disk COMPUTER: Flappy disk GOMPUTER: Flappy di
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88888999999999999999999999999999999999		-00476-7	7, Application InfoRMATION:	APPLICANT: The Regents of the TITLE OF INVENTION: MAMALIAN ITHLE OF INVENTION: PROTEIN RENUMBER OF SEQUENCES: 14 CORRESPONDENCE ADDRESS: ADDRESSE: Robbins, Berliner STREET: 201 N. Figueroa StreCITY: Los Angeles STREET: 201 N. Figueroa StreCITY: Los Angeles STREET: 201 N. Figueroa StreCITY: USA ZIP: 90012-2628 COMPUTE: California COUNTRY: USA ZIP: 90012-2628 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER READABLE FORM: MEDIUM TYPE: Pacentin Release #: SOCHWARE: Pacentin Release #: CURRENT APPLICATION IN Release #: CURRENT APPLICATION INFORMATION: NAME: Berliner, Robert REGISTRATION NUMBER: 20,121 REFERENCE, DOCKET NUMBER: 555: TELECOMMUNICATION INFORMATION: TELEFHONE: 310-977-1003 TELEFA: 310-977-1003 TELEFA: 310-977-1003 TELEFA: 310-977-1003 TELEFA: 310-977-1003 TELEFA: MINGORATION CORRECTERISTICS: LENGTH: 350 amino acids TYPE: amino acid TOPOLOGY: Linear MOLECULE TYPE: protein HYPOTHETICAL: NO
908 8339 8339 7555 7757 777 777 777 777 777 777 777	-		Sequence Sequence GENERAL	APPLICATION TITLE OF TOTAL STATE: COUNTRY: ZIP: STATE: COUNTRY: CONDUTER FOR TOTAL REPERENT A APPLICAT FELEFAN: TELEFAN:
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                                                                                                                                                                                                                                                                                                                                                                                 202 KLIMLGLELLEGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH 261
                                                                                                                                                                                                   86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                           27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                Gaps
                                     Score 984; DB 2; Length 350;
Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Churtharapai, Anan
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
TITLE OF INVENTION: Antibodies to Human PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IEM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 350 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
  350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
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APPLICATION NUMBER: 08/076093
FILING DATE: 11-Jun-1993
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/67211
FILING DATE: 29-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2, Application US/08701265 Patent No. 5776457 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2, Application US/08701265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STANDARD;
                                     Match 35.4%;
Local Similarity 44.4%;
les 134; Conservative
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SEQUENCE
                                       Query Match
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                                                                                                                                                                                                                                                                         Query Match 35.4%; Score 984; DB 1; Length 350; Best Local Similarity 44.4%; Pred. No. 8.26e-79; Matches 134; Conservative 76; Mismatches 80; Indels 12;
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/Ms-r---SOFTWARE: Winb=+----
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STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
NAME: Love, Richard B
REGISTRATION NUMBER: 34,659
REFERENCE/COCKET NUMBER: 706P2
TELECOMMUNICATION INFORMATION:
TELEPAX: 415/925-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT;
                                                                                                                                                                                                                      JOGY: Linear
350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/08410454A Patent No. 5783415 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1, Application US/08410454A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Lee, James,
APPLICANT: Holmes, William E.,
APPLICANT: Woods, William I.
TITLE OF INVENTION: Human PF4A
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acids
TYPE: Amino Acid
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145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   199 RWYLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGOKHRAMRVIFAVVLIFLLCWLPY
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Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/076,093A
FILING DATE: 11-Jun-1993
CLASSIFICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
FILING DATE: 19-DEC-1991
APPLICATION NUMBER: 07/677211
                                                        STREET: 460 Point San Bruno Blvd CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: Linear
NCE 350 AA; 39805 MW; 660082 CN;
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 29-WAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B
REGISTRATION NUMBER: 34,6
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TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                             Genentech,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 44.4%;
Matches 134; Conservative
                                                                                                                                   STATE: California
COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12;
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Patent No. 5543503
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Lee, James
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
TITLE OF INVENTION: Antibodies to Human PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              350 AA.
                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/234494
FILING DATE: 28-APR-1994
PRIOR APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNET/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0706C1D3
24-Mar-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT;
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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                      CURRENT APPLICATION DATA:
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Best Local Similarity 44.4%;
Matches 134; Conservative
                                                           APPLICATION NUMBER:
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                                                                                         FILING DATE: 24 CLASSIFICATION:
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Best Local Similarity 44.4%;
Matches 134; Conservative
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           US-08-410-453A-1
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Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12; Gaps
     Sequence 1, Application US/08202056
Patent No. 5440021
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Kim, Kyung Jin
APPLICANT: Kim, Kyung Jin
APPLICANT: Antibodies to Human IL-8 Type B Receptor
NUMBER OF SEQUENCE: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                               ZIP: 94000
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
                                                                                                                                                                                                                      CURRENT APPLICATION Geneticch)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,056
FILING DATE: 25-FEB-1994
CLASSIFICATION: 436
                                                                                                                    ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JOGY: linear
350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29 MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 34,659
REFERENCEDOCKER NUMBER: 706P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 350 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 44.4%;
Matches 134; Conservative
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                                                                                                                                                                    USA
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IL 322
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199 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
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Pred. No. 8.26e-79;
76; Mismatches 80; Indels 12; Gaps
                                                                                                                APPLICANT: Lee, James,
APPLICANT: Holmes, William E.,
APPLICANT: Woods, William I.
TITLE OF INVENTION: Human PF4A Receptors and Their Use
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CARGATION NUMBER: US/08/410,453A
FILING DATE: 24-Mar-1995
CLASSIFICATION NUMBER: US/08/410,453A
FILING DATE: 28-APR-1994
PRIOR APPLICATION NUMBER: 08/234494
FILING DATE: 28-APR-1994
PRIOR APPLICATION NUMBER: 07/677211
APPLICATION NUMBER: 07/677211
ATTONEY,AGENT INFORMATION:
NAME: LOVE, RICHART B.
REGISTRATION NUMBER: 34,659
REFERENCY/OCKET NUMBER: 34,659
REFERENCY/OCKET NUMBER: 90706CID1
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
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350 AA; 39805 MW; 660082 CN;
                                         Sequence 1, Application US/08410453A Patent No. 5767063 GENERAL INFORMATION:
Sequence 1, Application US/08410453A
                                                                                                                                                                                                                                                            ADDRESSEE: Genentech, Inc. STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                          CITY: South San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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Amino Acid
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GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 358;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 961; DB 2; Length 358
Pred. No. 1.15e-76;
77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                     6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Marshall, O'Toole, Gerstein, Murray ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
                                                                                                                                                                                                               358 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY AGENT INFORMATION:
NAME: NO-land, Greta E.
REGISTRATION NUMBER: 35,302
                                                                                                                                                                                                               PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: protein
JENCE 358 AA; 40690 MW; 701130 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                     Sequence 19, Application PC/TUS9311153
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TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (312) 474-6300
TELERAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEC ID NO: 19:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                               STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : 358 amino acids
amino acid
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 34.6%;
Best Local Similarity 45.7%;
Matches 134; Conservative
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STATE: Illinois
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IL 322
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Charo, Israel
APPLICANT: Coughlin, Shaun
TITLE OF INVENTION: WAMMALLAN MONOCYTE CHEMOATTRACTANT
TITLE OF INVENTION: PROTEIN RECEPTORS
WUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
STREET: 5 Pallo Alto Square
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 350
                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
ZIF: 94306-2155
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC COMPAtible
COMPUTER: PAtentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                         350 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/450,393A FILING DATE: May 25, 1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: CSerr, Luan
REGISTRATION NUMBER: 31,822
REFERENCE/POCKET NUMBER: UCAL-237/02US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5165
TELEPHONE: 415-8857-0663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 984; DB 1;
Pred. No. 8.26e-79;
                                                                                                                         PRT;
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                                                                                                                                                                                                                        Sequence 7, Application US/08450393A Patent No. 5707815
                                                                                                                                                                                                 Sequence 7, Application US/08450393A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 350 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                         STANDARD;
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TELEX: 380816CooleyPA
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: protein HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 44.4%;
Matches 134; Conservative
                                                                                                                                                                                                                                                                                                                                                            CITY: Palo Alto
STATE: California
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                                                                                                                        US-08-450-393A-7
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IL 322
                                                IL 320
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40 FL-PIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYS- 97

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TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198

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                                                                                                                                                                                                                                                                              98 AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 157
                                                                                                       |: :|||: |||: |||: || ||: || ||: ||| ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: |
                                                                                                                                                                              158 SCVGIWILATVLSIPELLYSD-LQRSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV 214
                                                                                                                                                                                                              APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: NO. 5759804el Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: 6300 Sears Tower, 233 South Wacker Drive CITY: Chicago STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMFATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,848
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CLASSIFICATION: 514
PRICA APPLICATION 514
PRICA APPLICATION 514
PRICA APPLICATION DATA:
APPLICATION NOWBER: 05 07/977,455
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5799804and, Greta E. REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEPHONE: (312) 474-6300
TELERAX: 25-3856
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 358 aminto acids
TYPE: aminto acids
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FINCE 358 AA; 40690 MW; 701130 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 19, Application US/08153848 Patent No. 5759804 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19, Application US/08153848
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                                                                                                                                                            40 FL-PIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYS- 97
                                                                   Gaps
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GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: Gi300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
                                                                   7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           276 NRSCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGGKFRNYFLKILKDLWCV 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           275 SSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 327
   Length 358;
Score 961; DB 1; Length 358
Pred. No. 1.15e-76;
77; Mismatches 75; Indels
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APPLICATION NUMBER: PCT/US93/11153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              378 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15, Application PC/TUS9311153
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Noland, Greta E.
REGISTRATION NUMBER: 35.302
REFERENCE/DOCKET NUMBER: 31.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPAX: (312) 474-6300
TELERAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STANDARD;
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   Query Match 34.6%;
Best Local Similarity 45.7%;
Matches 134; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
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PCT-US93-11153-15
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SEQUENCE
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                                                                                                                                                                                    235 PLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 294
                                                                       60 FL-PIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYS- 117
                                                                                                           118 AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 177
                                                                                                                                                                                                                                                                                                                                                 Sequence 15, Application US/08153848
Patent No. 5759804
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: No. 5759804e1 Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
                                                                                 Gaps
                                                                                                                                                                                                                                  295 SSTCELSKOLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 347
                                   Score 961; DB 2; Length 378;
Pred. No. 1.15e-76;
77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell STREET: 6300 Sears Tower, 233 South Wacker Drive CITY: Chicago STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 05 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: No. 5759804and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECHONE: (312) 474-6408
TELECHONE: (312) 474-6408
                                                                                                                                                                                                                                                                               PRT;
        MOLECULE TYPE: protein
JENCE 378 AA; 42873 MW; 782819 CN;
                                                                                                                                                                                                                                                                                                                                   Sequence 15, Application US/08153848
                                                                                                                                                                                                                                                                              STANDARD;
                                   Query Match 34.6%;
Best Local Similarity 45.7%;
Matches 134; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
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US-08-153-848-15
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                  SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTON: No. 5759804el Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
                                                                                                                                                                                                                                                                                                                              7; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   295 SSTCELSKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCL 347
                                                                                                                                                                                                          ch 34.6%; Score 961; DB 1; Length 378; Il Similarity 45.7%; Pred. No. 1.15e-76; 134; Conservative 77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 6300 Sears Tower, 233 South Wacker Drive Clirx: Chicago STATE: 1111hois COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray
ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,848
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CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: protein
JENCE 378 AA; 42873 MW; 782819 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                No. 5759804 and, Greta E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application US/08153848
Patent No. 5759804
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TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                       : 378 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                             Best Local Similarity
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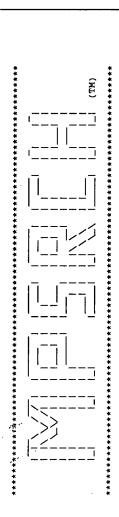
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PCT-US95-00476-8
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                                                                                                                                                                                         150 AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL 209
                                                                                                                                                                                                   7; Gaps
                                                                                                                                                                                                                                                                                            APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marray & ADDRESSEE: Marray & ADDRESSEE: Bicknell
STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                        Length 410;
                                                                                                                      Score 961; DB 1; Length 410
Pred. No. 1.15e-76;
77; Mismatches 75; Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
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                                                                                           MOLECULE TYPE: protein
JENCE 410 AA; 46569 MW; 921741 CN;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application PC/TUS9311153 GENERAL INFORMATION:
           31794
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REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELERAX: (312) 474-648
TELERAX: 25-3856
INFORMATION FOR SEO ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TVPE: amino acid
TOPOLOGY: linear
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                                                                                                                      Query Match 34.6%;
Best Local Similarity 45.7%;
Matches 134; Conservative
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Chicago
STATE: Illinois
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                               PCT-US93-11153-7
                                                                                                      SEQUENCE
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92 FL-PIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLNLAVADILFLLTLPFWAYS- 149
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        210 SCVGIWILATVLSIPELLYSD-LQRSSSEQ-AMRCSLITEHVE-AFITIQVAQMVIGFLV 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            267 PLLAMSFCYLVIIRTLLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNIT 326
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                276 NRSCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGGKFRNYFLKILKDLMCV 328
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GENERAL INFORMATION:
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
TITLE OF INVENTION: PROTEIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        34.6%; Score 961; DB 2; Length 410; 45.7%; Pred. No. 1.15e-76; artive 77; Mismatches 75; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Robbins, Berliner & Carson STREET: 201 N. Figueroa Street, 5th Floor CITY: Los Angeles STATE: California COUNTRY: USA ZIP: 90012-2628 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OORPATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               355 AA
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATORNEY/AGENT INFORMATION:
NAME: NO.land, Greta E.
REGISTRATION NUMBER: 35,302
REFENCE/DECKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPAX: (312) 474-6300
TELEFX: (312) 474-6448
TELEFX: 25-3856
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US95/00476 FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: protein
JENCE 410 AA; 46569 MW; 921741 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 8, Application PC/TUS9500476
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Matches 134; Conservative
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Search completed: Fri Nov 13 12:08:42 1998
Job time : 25 secs.
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            CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                    160 ICLSIWGLSLLLALPVLLFRRTVYSSNVSPAC---YEDMGNNTANWRMLLRILPQSFGFI 216
                                                                                                                                                                                                                                                                                                                                                              217 VPLLIMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQV 276
                                                                                                                                                                                                                                 44 YEVVIIYALVELLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASK 103
                                                                                                                                                                                                                                            APPLICANT: Murphy, Philip M.
TITLE OF INVENTION: Cloning of cDNA Encoding a Functional
TITLE OF INVENTION: Human Interleukin-8 Receptor
                                                                                                                                                                                        Score 951; DB 2; Length 355;
Pred. No. 9.77e-76;
80; Mismatches 72; Indels 10;
                                                                                                                                                                                                                                                                                                                                                                                                                  277 IQETCERRNHIDRALDATEILGILHSCLNPLIYAFIGQKFRHGLLKIL 324
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ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMpatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
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         ATTORNEY/AGENT INFORMATION:
NAME: Betliner, Robert
REGISTATION NUMBER: 20,121
REFERENCE/DOCKET NUMBER: 5555-291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/07/759,568
                                                                                                                                             MOLECULE TYPE: protein
HYPOTHETICAL: NO
HENCE 355 AA; 40122 MW; 676446 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRT;
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Patent No. 5374506
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1, Application US/07759568
                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-977-1001
TELEFAX: 310-977-1003
                                                                                            INFORMATION FOR SEQ ID NO: 8:
                                                                                                                 : 355 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STANDARD;
                                                                                                      SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                        34.2%;
Local Similarity 43.8%;
les 126; Conservative
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ADDRESSEE: Cushman,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                       linear
 CLASSIFICATION:
                                                                                                                                       TOPOLOGY:
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104 VNG-WIFGTFLCKVVSLLKEVNPYSGILLLACISVDRYLAIVHATRILTQK-RYL--VKF 159 | 1:1: | | 1:1: | | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1: | 1:1:
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Pred. No. 9.77e-76;
80; Mismatches 72; Indels 10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
JENCE 355 AA; 40122 MW; 676446 CN;
                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEFAN: 202-861-3000
TELEFAX: 202-82-0944
TELEFAX: 6714627 cush
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                    26581
ATTORNEY/AGENT INFORMATION:
NAME: Scott, Watson T.
REGISTRATION NUMBER: 2658
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 34.2%;
Best Local Similarity 43.8%;
Matches 126; Conservative
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US-08-887-977-10.rap



Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Fri Nov 13 12:09:01 1998; MasPar time 20.16 Seconds 666.150 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-887-977-10 (1-365) from US08887977.pep 2779 Description: Perfect Score:

1 MFSTPVKIILCQSILHITQL........NISRQTSETADNDNASSFTM 365 Sequence:

PAM 150 Gap 11 Scoring table:

Searched:

313962 segs, 36788388 residues

Post-processing:

Minimum Match 0% Listing first 45 summaries

a-pending 1:99 2:U60 3:U7 4:U80 5:U81 6:U82 7:U83 8:U84 9:U85 10:U86 11:U87 12:U88 13:U89 14:U90 15:U91 16:NEWP 17:NEWUG 18:NEWU7 19:NEWUG 20:NEWU9 Database:

Mean 35.183; Variance 169.443; scale 0.208 Statistics:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Pred No.	1 600-231	1.60e-231	9.38e-202	1.72e-72	1.75e-70	1.75e-70															
	8. Applicatio	Applicati		•	Applicatio	, Applicati	, Applicati	, Applicati													
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Description	Segmente	Sequence	Sequence	٠.		Sequence	Sequence	•		Sequence	Sequence	Sequence									
9	us-08-675-	US-08-887-	US-09-045-	US-08-802-	US-09-104-	US-08-450-	US-08-801-	US-08-284-	PCT-US93-1	US-08-805-	US-08-410-	US-08-308-	US-08-441-	US-08-801-	US-08-802-	US-08-446-	US-09-104-	US-08-182-	US-08-605-	US-08-245-	US-08-245-
DB	101	12	14	12	15	œ	12	φ	-	12	æ	۲,	œ	12	12	œ	15	Ŋ	10	9	9
% Query Match Length	365	365	374	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	1060	358	378
% Query Match	100.0	100.0	88.0	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	34.6	34.6
Score	2779	2779	2445	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984	961	961
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TOPOLOGY: linear

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34.6 410 6 US-08-245- Sequence 7, Applicatio 1.75e-70 34.5 410 3 US-07-977- Sequence 7, Applicatio 1.75e-70 34.5 378 6 US-08-245- Sequence 9, Applicatio 1.31e-69 34.2 353 1 PCT-US96-0 Sequence 9, Applicatio 1.31e-69 34.2 355 1 US-08-446- Sequence 8, Applicatio 1.31e-69 34.2 355 1 US-08-446- Sequence 8, Applicatio 1.31e-69 34.2 355 8 US-08-441- Sequence 8, Applicatio 1.31e-69 34.2 355 8 US-08-441- Sequence 7, Applicatio 1.31e-69 34.2 355 8 US-08-441- Sequence 2, Applicatio 1.31e-69 34.2 355 8 US-08-450- Sequence 2, Applicatio 1.31e-69 34.2 355 8 US-08-450- Sequence 2, Applicatio 1.31e-69 34.2 1065 10 US-08-605- Sequence 2, Applicatio 1.31e-69 33.4 360 12 US-08-75- Sequence 20, Applicati 1.63e-67 33.4 360 12 US-08-75- Sequence 2, Applicati 1.63e-67 33.4 360 14 US-09-067- Sequence 2, Applicati 1.63e-67 33.4 378 3 US-07-980- Sequence 2, Applicatio 1.33e-67 33.4 378 3 US-07-980- Sequence 2, Applicatio 1.	ALIGNMENTS 15-08-675-814-8 STANDARD; PRT; 365 AA. ESQUENCE 8, Application US/08675814 SEQUENCE 8, Application US/08675814 GENERAL INFORMATION: APPLICANT: Gish, Kurt C. APPLICANT: Gish, Kurt C. APPLICANT: Gish, Alain APPLICANT: Gish, Alain APPLICANT: Gish, Alain APPLICANT: Gish, Alain APPLICANT: Gish, Albert TITLE OF INVENTION: MAMMALIAN CHEMOKINE REAGENTS NUMBER OF SEQUENCE: 14 ADDRESSEE: DAX Research Institute CITY: Palo Alto STREET: 901 California Avenue CITY: Palo Alto STREET: 901 California Avenue CITY: Palo Alto COMPTRE: Gish Compatible OFFERTING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Palo Alto COMPTRE: Tibp Compatible OFFERTING SYSTEM: 19/08/675,814 FILING DATE: OF-DOS/MS-DOS SOFTWARE: Patenth Release #1.0, Version #1.30 APPLICATION NUMBER: 34,090 REFERENCE/DOCKET NUMBER: 34,090 REFER
44444444444444	TAXXX quence 8, Applic equence 8, Applic equence 8, Applic eneral INFORMAI APPLICANT: State APPLICANT: State APPLICANT: Vi APPLICANT: Vi APPLICANT: Vi APPLICANT: Vi APPLICANT: Vi APPLICANT: Vi COUNTR: 10 CITY: Palo CITY: ATPE: COMPUTER: IO PERATING SY COMPUTER: IO PERATING SY COMPUTER: IO COMPUTER: IO COMPUTER: CALING APPLICANTON FILING DATE: CLASSIFICATION FILING DATE: CLASSIFICATION FILING DATE: TELECOMMUNICAT TELECOMMUNICA
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                                                                                                         1 MFSTPVKIILCQSILHITQLILRCYCAPCRRSGSSPGYLYRIAYSLICVLGLLGNILVVI 60
                                                             1 MFSTPVKIILCQSILHITQLILRCYCAPCRRSGSSPGYLYRIAYSLICVLGLLGNILVVI 60
                                              Gaps
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                            Length 365;
                                             0; Indels
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APPLICANT: Gish, Kurt C.
APPLICANT: Gish, Kurt C.
APPLICANT: Gish, Kurt C.
APPLICANT: Vicari, Alain P.
APPLICANT: Vicari, Alain P.
APPLICANT: Zlotnik, Albert
TITLE OF INVENTION: MAMMALIAN CHEMOKINE REAGENTS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,977
FILING DATE: 03-JUL-1997
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                   365 AA.
                           Score 2779; DB 10;
Pred. No. 1.60e-231;
                                            0; Mismatches
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05-JUL-1996
                                                                                                                                                                                                                                                                                                                                  PRT;
MOLECULE TYPE: protein
JENCE 365 AA; 41375 MW; 721306 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: FLORPY disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 10, Application US/08887977 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                       Sequence 10, Application US/08887977
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                         Match 100.0%;
Local Similarity 100.0%;
les 365; Conservative
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APPLICATION NUMBER: 1
FILING DATE: 05-JUL-3
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94304-1104
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          SEQUENCE
                          Query Match
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GENERAL INFORMATION:
APPLICANT: Graham, Gerard J. et al.
TITLE OF INVENTION: Novel Molecules of the G Protein-Coupled
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHUE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           y Match 100.0%; Score 2779; DB 12; Length 365; Local Similarity 100.0%; Pred. No. 1.60e-231; hes 365; Conservative 0; Mismatches 0; Indels 0
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PRIOR APPLICATION DATA:
APPLICATION WOMBER: US 60/028,329
FILING DATE: 11-0CT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
RESISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0589K1
TELECHONUS. 650-682-9192
TELEPHAN: 650-496-1200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE 365 AA; 41375 MW; 721306 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 48, Application US/09045583
                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 10: SEQUENCE CHARACTERISTICS: LENGTH: 365 anino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
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CITY: Boston
STATE: Massachusetts
COUNTRY: USA
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AC XXXXXX
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                                                                                                                                                                                                                                                                                                                            107 ATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQATKSFRLRSRTLPRSKI 166
                                                                                                                                                                                                                                                                                                                                                                                                     227 LMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNR 286
                                                                                                                                                                                                                                                                                                                                                                                                              278 SCQSEKLIGYTKTVTEVLAFLHCCLNPVLYAFIGQKFRNYFLKILKDLWCVRRKYKSSGF 337
                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                      1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2, Application US/08802627A
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: NUCLEIC ACID ENCODING PF4A RECEPTOR
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                    Length 374;
                                                                                                                                                                                                                                                                      Indels
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   350 AA.
                                                                                                                                                                                                                                                    Score 2445; DB 14;
Pred. No. 9.38e-202;
2; Mismatches 1;
                                                                                       FILING DATE:
FILING DATE:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MNI-044
RELECOMMUNICATION INFORMATION:
TELEFAX: (617)27-7400
                                             APPLICATION NUMBER: US/09/045,583 FILING DATE: 20-MAR-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                                          NT IYPE: internal
374 AA; 42494 MW; 759989 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SCAGRYSENISRQTSETADNDNASSFTM 374
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                                                                                                                                                                                      LENGIH: 374 amino acids IYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
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Best Local Similarity 98.8%;
Matches 324; Conservative
                                                                        PRIOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                                                                                                                                MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                         linear
                                                       FILING DATE: 20 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
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259 NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGONFRHGFLK 318
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   199 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12;
                                                                                                                                   MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       350 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       P0706P2P1D2
                                                                                                                                                                                            SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/802,627A
FILING DATE: 19-Feb-1997
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 90706F2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
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TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
STREET: 460 Point San Bru CITY: South San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STANDARD;
                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 incl
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Matches 134; Conservative
                                                California
                                                                    USA
                                                                                    94080
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ID US-09-104-296-2
                                                                  COUNTRY:
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86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
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Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Charo, Israel
APPLICANT: Coughlin, Shaun
TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
TITLE OF INVENTION: PROTEIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Cooley Godward Castro Huddleson & Tatum STREET: 5 Palo Alto Square CITY: Palo Alto STATE: STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Pc-Dos/MS-Dos SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/AECTATION DATE:
                                                                                                                                                                                                                               350 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: CSerr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: UCAL-237/02US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5165
TELEFRAX: 415-8857-0663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: May 25, 1995
CLASSIFICATION: 424
TORNEY ARTHUR TO TO THE TOWN TOWN TO THE TOW
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                                                                                                                                                                                                                               PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 94306-2155
COMPUTER READABLE FORM:
MEDUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-IX
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application US/08450393 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7, Application US/08450393
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                                                                                                                                                                                                                                  STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 380816CCOLEYPA
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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nes 134; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
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                                                                                                                                                                                                        RESULT 6
ID US-08-450-393-7
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                                                                         319 IL 320
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 984; DB 15; Length 350;
Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER REACK
COMPUTER REACK
MEDIUM TYPE: 3.5 inch, 1.44 MD floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              P0706P2C2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/09/104,296
FILING DATE: 24-June-1998
                                                                 Sequence 2, Application US/09104296
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, WIlliam I.
TITLE OF INVENTION: PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/701265
FILING DATE: 22-AUG-1996
PRIOR APPLICATION NUMBER: 08/64228
FILING DATE: 06-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
PRIOR APPLICATION NUMBER: 07/810782
APPLICATION NUMBER: 07/810782
APPLICATION NUMBER: 07/810782
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350 AA; 39805 MW; 660082 CN;
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NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0706
TELECOMMUNICATION INFORMATION:
TELEPAX: 415/25-5530
ITELEPAX: 415/25-5530
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                  Sequence 2, Application US/09104296
                                                                                                                                                                                                                                               ADDRESSEE: Genertech, Inc. STREET: 1 DNA Way CITY: South San Francisco STATE: California COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-June-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-DEC-1991
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Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
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Best Local Similarity 44.4%;
Watches 134; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
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199 RMYLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                             202 KILMIGLEILEGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPH 261
                                                                                                     259 NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
                                                                                                                                  Sequence 2, Application US/08801228
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: METHODS FOR DETECTION AND AMPLIFICATION OF
TITLE OF INVENTION: PP4A RECEPTOR NUCLEIC ACID
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 984; DB 12; Length 350;
Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTXI: ...
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
... everem: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                350 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PULLOR DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-Aug-1994
PHIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
PHIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                  PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/08801228
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TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                  STANDARD;
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Best Local Similarity 44.4%;
Matches 134; Conservative
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CLASSIFICATION:
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AC XXXXX

AC XXXXXX

DE Sequence 2, Applic

XX Sequence 2, Applic

C GENERAL INFORMA

APPLICANT: In

CC GENERAL INVERCE

CC CORRESPONDENCI

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CC CORRESPONDENCI

CC CONTEX: 404080

CC CONTEX: 50411

CC CONTEX: 404080

CO CONTEX: 40408
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Gaps

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145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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                                                                                                                                                                                                                                                                           259 NLVLLADTLARTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
                                                                                                                                                                                                                                                                                                                                                          86 LLFALTLPIWAASKVNG-WIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIVHATR 144
                     27 Y-SPCMLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALAD 85
                                                                                                                                                                                          Sequence 2, Application US/08284586
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Hebert, Caroline
APPLICANT: Hebert, Caroline
APPLICANT: Jin Kim, K.
TITLE OF INVENTION: Antibodies to Human PF4A Receptors
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              350 AA.
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 05/08/076,093A
FILING DATE: 11-7un-1993
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/67/211
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/284,586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STANDARD;
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AX XXXXXX
DT XX Sequence 2, Applicate CC GENERAL INFORMA, APPLICANT: CC APPLICANT: CC APPLICANT: LAPPLICANT: LAPPLICANTON CC COUNTRY: CC CC COUNTRY: COUNTRY: CC CC CTELECOMMUNICANCOUNTRY: CC CC TELECOMMUNICANCOUNTRY: CC CC TELECOMMUNICANCOUNTRY: CC CC CTELECOMMUNICANCOUNTRY
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ZIP: 94080
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ZIP: 94080
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                                                                                                                                                                                                                            76; Mismatches 80; Indels 12; Gaps
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GENERAL INFORMATION:
APPLICANT: GENENTECH, INC.
TITLE OF INVENTION: CC-CHEMOKINE RECEPTOR
NUMBER OF SEQUENCES: 11
CORRESPONDENCE S. 11
CORRESPONDENCE ADDRESS:
ADDRESSE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
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MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
COTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/10672
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                                                                                                                          LOGY: Linear
350 AA; 39805 MW; 660082 CN;
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TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 anino acids
TYPE: Amino Acid
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NAME: Fitts, Renee A.
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APPLICATION NUMBER:
FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                     Query Match 35.4%; Score 984; DB 1; Length 350; Best Local Similarity 44.4%; Pred. No. 1.72e-72; Matches 134; Conservative 76; Mismatches 80; Indels 12;
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GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Lee, Totaline
APPLICANT: Hebert, Caroline
APPLICANT: Hebert, Caroline
APPLICANT: HTMM, K.
TITLE OF INVENTION: ANTIBODIES TO PF4A RECEPTOR
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: Collifornia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech)
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                                                                 REGISTRATION NUMBER: 35,136
                REFERENCE/DOCKET NUMBER: 80
TELECOMMUNICATION INFORMATION:
TELEPANE: 415/225-1489
TELEFAX: 415/952-9881
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199 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
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Best Local Similarity 44.4%; Pred. No. 1.72e-72;
Matches 134; Conservative 76; Mismatches 80; Indels 12;
                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPPERATING SYSTEM: PC-DOSAMS-DOS
                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/410,456A
FILING DATE: 24-Mar-1995
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION UNMER: 08/234494
FILING DATE: 28-APR-1994
PRIOR APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNER: 29-MAR-1991
ATTORNER: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 90706C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEPHONE: 650/225-5530
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                           SOFTWARE: WinPatin (Genentech)
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CITY: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
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Amino Acid
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Best Local Similarity 44.4%; Pred. No. 1.72e-72;
Matches 134; Conservative 76; Mismatches 80; Indels 12; Gaps
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GENERAL INFORMATION:
APPLICANT: Lee, James,
APPLICANT: Holmes, William E.,
APPLICANT: Woods, William I.
TITLE OF INVENTION: Human PF4A Receptors and Their Use
NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      350 AA.
                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 97,027
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415,225-530
TELEFA: 415,922-9881
TELEX: 910,737-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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NCE 350 AA; 39805 MW; 660082 CN;
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                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/810782
FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
                                     CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
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                        25-Feb-1997
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Amino Acid
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321 IL 322
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APPLICATE: THE APPLICATE HORDE, KULDEEP NEOTE, THOMAS SCHALL
TITLE OF INVENTION: Nucleic Acids Encoding C-C Chemokine Receptor
TITLE OF INVENTION: and Vectors and Hosts Therefor
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSE: Genettech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ::: | |||::|| |:||| |:||| |::|| |: :|:|||:|||:||| |: 1 || |:||| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:|| |:
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44.4%; Pred. No. 1.72e-72;
7ative 76; Mismatches 80; Indels 12; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: P0806C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/255-530
TELERA: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: US/08/441,562
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/30880
FILING DATE: 19-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/974025
FILING DATE: 10-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 350 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
TOPOLOGY: Linear
TOE 350 AA; 39805 MW; 660082 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (Genentech)
                                                                                                                     Sequence 3, Application US/08441562 GENERAL INFORMATION:
                                                     Sequence 3, Application US/08441562
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Best Local Similarity 44.4%;
Matches 134; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               199 RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :::: | |||::|| |:||| |:||| |::|| ||: ||:|||:|||:|||:|| ||:||||:||| ||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:||:|||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||
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Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12;
GENERAL INFORMATION:
APPLICANT: RICHARD HORUK, KULDEEP NEOTE, THOMAS SCHALL
TILLE OF INVENTION: CC.CHEMOKINE RECEPTOR
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STRESSE: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IEM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       350 AA
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/308,880
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGY: linear
350 AA; 39805 MW; 660082 CN;
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APPLICATION NUMBER: 07/974025
FILING DATE: 10-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 80
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/222-1489
TELEFAX: 415/922-9881
TELETEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
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Matches 134; Conservative
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                                                                                                                                                                                                                                                                                                                          USA
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321 IL 322
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259 NIVILADTIMRIQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGQNFRHGFLK 318
RMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPY 258
                                   :::: | |||::|| |:||| |:||| |::|| |::|||:|||:|||:|||:||| |::|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:||:|||:|||:||:||:||:|||:||:||:||:||:||:|||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||:||
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                                                                                                                                                              Sequence 2, Application US/08802627
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Lee, James
APPLICANT: Wood, William I.
IITLE OF INVENTION: NUCLEIC ACID ENCODING PF4A RECEPTOR
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genencech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STRATE: California
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COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/802,627

FILING DATE: 19-Feb-1997

CLASSIFICATION: 514
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Pred. No. 1.72e-72;
76; Mismatches 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                               350 AA
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350 AA; 39805 MW; 660082 CN;
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FILING DATE: 19-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: LOVE, RICHARD B.
REGISTRATION NUMBER: 34,659
TREFERENCE/DOCKET NUMBER: P0706P7
TELECOMMUNICATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284586
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076093
FILING DATE: 11-JUN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                               PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2, Application US/08802627
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Amino Acid
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          415/952-9881
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Best Local Similarity 44.4%;
Matches 134; Conservative
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US-08-802-627-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              145 TLTQK-RHL--VKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSSPVC---YEVLGNDTAKW 198
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Pred. No. 1.72e-72;
76; Mismatches 80; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         E: 3.5 inch, 1.44 Mb floppy disk IBM PC compatible
                                                                                          350 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERNCE/DOCKET NUMBER: P0706P2P1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Winpatin (Genorical)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/801,238
FILING DATE: 19-Feb-1997
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/7810782
FILING DATE: 19-DEC-1991
                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/08801238
GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
TITLE OF INVENTION: PF4A RECEPTOR
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
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ICE 350 AA; 39805 MW; 660082 CN;
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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Amino Acid
                                                                                          STANDARD;
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Best Local Similarity 44.4%;
Matches 134; Conservative
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                                                                                       US-08-801-238-2
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²⁵⁹ NLVLLADTLMRTQVIQETCERRNNIGRALDATEILGFLHSCLNPIIYAFIGGNFRHGFLK 318 | 1:1|1 | 1|1:1|1 | 1|1 | 1|2 | 1|2 | 1|2 | 1|3 | 1|3 | 1|3 | 1|3 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1|4 | 1 8 8

³¹⁹ IL 320 || 321 IL 322 g

Search completed: Fri Nov 13 12:11:13 1998 Job time : 132 secs.

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!!SEQUENCE_LIST 1.0
(Nucleotide) WORDSEARCH of: /home/obryen/dra977/olig/us-08-887-977-9 check: 9278 from:
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FROMIG of: /home/obryen/dra977/olig/US08887977.seq sequence 9, application us/08887977 general information: applicant: wang, wei applicant: gish, kurt c. applicant: schall, thomas j. . . .

TO: GenEMBL:* Sequences: 567,306 Total-length: 1,118,886,981 November 16, 1998 15:09

Database Release Information:
GenBank, Release 109.0, Released on 150ct1998, Formatted on 170ct1998

EMBL, Release 56.0, Released on 16Sep1998, Formatted on 180ct1998

Word-size: 15 Words: 54754 Diagonals: 3,201 Total-diagonapis: 2,000,000,000

l Alphabet: 4 List-size: 50 CPU minutes: 118.46	Strd Diag Score Width Documentation
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Sequence	Strd	Diag	Score	Width	Score Width Documentation
GB_PR2:HSU45984	+	254	992	7	U45984 Homo sapiens CCR6 chemokine re
GB_PR1: HSCKRL3	+	87	992	~	H. sapiens G protei
GB PR3: HSU68032	+	222	066	~	
GB_PR3:HSU68030	+	291	066	(7)	Human
GB_PR1:HSU60000	+	27	930	~	Human IL8-related recept
GB_RO:AB009369	+	149	64	-	AB009369 Mus musculus mRNA for G prod
GB_IN: AC005148	+	894	19	-	AC005148 Drosophila melanogaster DNA
GB_IN:CEZK678	+	22686	19	ч	279605 Caenorhabditis elegans cosmid
GB_HTG: AC004442	•	33655	19	Н	AC004442 *** SEQUENCING IN PROGRESS *
GB_HTG:AC004311	+	29041	19	-	AC004311 *** SEQUENCING IN PROGRESS *
GB_RO:MMAJ3959	1	1325	13	Н	AJ223959 Mus musculus mRNA for very-1
GB_RO:AF072760	•	1156	19	Н	AF072760 Mus musculus fatty acid tran
GB_PAT: I12527	+	1714	13		112527 Sequence 1 from patent US 5426
GB_PL2:AB013985	•	-513	19	٦	AB013985 Antirrhinum majus transposon
GB_STS:G39250	+	-35	13	-	G39250 Z20386 Zebrafish AB Danio reri
GB_PR2: HSBTDSS2	+	228	19	-	AF018631 Homo sapiens biotindase (BTD
GB_PR2:HS93H18	+	69237		-4	284488 Human DNA sequence from PAC 93
GB_PR2:AC002542	•	136361		Н	AC002542 Human BAC clone RG114A06 fm
GB_HTG:HS347H13	•	8019		; 1	AL023553 Human DNA sequence *** SEQUE
GB_HTG:CEY7A5	+	116418		Н	AL021576 Caenorhabditis elegans DNA
GB_IN:CEF26D10	+	17744	18	н	280223 Caenorhabditis elegans cosmid
GB_IN:CEC24H11	•	20715	18	1	
GB_IN:CEC24H11	+	24350	18	- -	281475 Caenorhabditis elegans cosmid
GB_IN: AC004369	1	40561	18	Т	AC004369 Drosophila melanogaster DNA
GB_IN: DSU63854	+	1152	18	Н	U63854 Drosophila simulans decapentar
GB_IN: DMU63857	+	13516	18	H	U63857 Drosophila melanogaster decape
GB_IN: CET24A11	+	27806	18	н	
GB_IN:CELT20F5	•	22293	18	Н	U80442 Caenorhabditis elegans cosmid
GB_IN:CELHSP70	•	917	18	Н	M18540 C.elegans heat shock protein 7
GB_IN:CEH31B20	+	9079	18	П	AL021066 Caenorhabditis elegans cosmi
GB_HTG:AC004556	•	92474			AC004556 *** SEQUENCING IN PROGRESS *
GB_HTG: AC004479	1	176462		-	AC004479 *** SEQUENCING IN PROGRESS
GB_VI:CVCP	•	1647	18	Н	X76716 Caliciviridae mRNA for capsid
GB_VI:CRNAORFS	•	5321	18		X86557 Human enteric calicivirus ORF1
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GB_PR3:HSU85195	+	48083	18	Η,	U85195 Homo sapiens BAC129, complete
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GB_PR3:HS211A9	+	50916	18	⊣,	Z95889 Human DNA sequence from clone
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GB_PL1:ATU20624	+	674	18		U20624 Arabidopsis thaliana calcium-d
GB_BA1:U67522	+	5501	138		U67522 Methanococcus jannaschil secti
GB_PR2:HUAE000658	+	48083	18		AE000658 Homo sapiens T-cell receptor
GB_PR2:HS125H2	+	39027	18	н.	Z98949 Human DNA sequence from clone
GB_PR2:AC002511	+	29886	18	٦.	AC002511 Human DNA from chromosome 19

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Page 33

EMARYOTE Mesaca: Chordata; Vertebrata; Actinopterygii; Pereserai, Vertebrata; Actinopterygii; Pereserai; Teresecati; Ortebrate; Orphinides; Cyptinides; Cyptinides; Cyptinides; Cyptinides; Cyptinides; Captinides; Captinides

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REFERENCE AUTHORS TITLE Contact; Mark C, Sthamn
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a 108 c 117 g 139 t 1 others /db_xref="taxon:7955" /clone_lib="Zebrafish AB" /sex="F" STS primer_bind primer_bind BASE COUNT 12

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Page 35

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Tue Nov 17 08:55:24 1998

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house mouse.

Man maculae mouse.

Dakarpots, Metasoa, Chordata, Vertebrata; Mammalia; Eutheria;

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1 Chordas, Schurby, and Loddah, P. P.

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A. fanily of fatty acid transporters conserved from mycobacterium to 1 to 1899)
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18 States a lizer, AP072760 1989 bp mRXA ROD 23-JUL-1998 MMs musculus fatty acid transport protein 5 mRXA, complete cds. \$202760 93335570 Proc. Natl. Acad. Sci. U.S.A. 95 (15), 8625-8629 (1998) 98337965 RESULT 7
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REFERENCE AUTHORS

CEZK678 35126 bp DNA INV 31-JUL-1998 Cenorhabditis elegans cosmid ZK678, complete sequence. 219605 95151370

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Tue Nov 17 08:55:24 1998

Query Match 1.74; Score 19; DB 21; Length 12990; Best Local Similarity 100,00; Pred. No. 1.778-00; Indels 0: Gaps Maches 19; Conservative 0; Mismatches 0; Indels 0: Gaps A2574. 12. /gene"Btd" BASE COUNT 3463 a 2950 c ORIGIN

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/chromosom="X"
/clone="2K678"

PEATURES Source

/gene="lin-15" |pin(484. .365,412. .508,561. .2416,2464. .2878,2932. .4005, |055. 4120)

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The true laft end of Clone EK678 is at 1 in this sequence. The true free true laft end of Clone EK678 is at 35126 in this sequence. The true EK541 end of Clone EK678 is at 2701 in this sequence. Coding exequences below are predicted from computer analysis, using the program Genefinder (P. Green, ms in preparation), and other

mation. is sequence (1. .105) overlaps with the end of this sequence overlaps with the start of sequence

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incte**Similarity to Leech cyclin A fragment (TR:G802010) mplement(20025...20096) oct="TGG Pro P-tRRN; protein predicted using UNAcon-SE-1.11; preliminary prediction; similar to ERNAGGAn-SE-1.11; preliminary prediction; similar to FRNA-Pro* 0 .20610 e="TGG Pro P-ERMA; protein predicted using scan-SE-1.11; preliminary prediction; similar to /note="166 Pro P-tRNA; protein predicted using FRNAscan-SE-1.11; preliminary prediction; similar to tRNA-Pro* luct="ZK678.t5" roduct="2K678.t2" mplement(20825...2 ote="TGG Pro P-tRN **trxa** CRNA **trna** SOS 9 SOO

annotations omitted. Note: remainder of

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computed error rate <= 1/10.

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WARNING: Phase 1 High Throughput Genome Sequence **

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R1-94; ETGS phase 1, 22 unordered places.

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* This sequence is unfinished. When sequencing is complete,
* the sequence data presented in this record will be replaced
*by a single finished sequence with the same accession number.
I. obisty (Valifiers 1. 9055)

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Thomey, B., Wan, K.B., Whitelav, K.R., Tee, A., Ehang, R., Etezan, L.L. and farmer, D. and Manager, D. and D

PEATURES Source

Db 83816 TTGACTGACACAAAATAAT 83834
Cp 40 TTGACTGACACAAATAAT 22

AC005148 95262 bp DNA sequence (Pla D805759 (D204) and D5050901ila michanogaater DNA sequence (Pla D805759 (D204) and D5050313 (D211)), complete sequence.
AC005131 (A211), complete sequence.
AC005148 AC004512 AC003598 AC003594 AC003895 AC003595 AC003595 AC003553 AC003553 AC004517 AC004517 AC003601 RESULT 15 LOCUS AC DEFINITION DE ACCESSION

ORGANISM NID KEYWORDS SOURCE

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Drosophila mclanogaster (Subclones in tet from P1 clones D805759 (D204) and D809033 (D111) DRA.

Drosophila mclanogaster (Subclones; Hexapoda; Insecta) practyces because the property of REFERENCE AUTHORS

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Centker, E., George, R.A., Galle, R., Syirakae, R.R., Hoskins, R.A., Adoshari, A., Arceling, T.F., Barter, E., Barter, E., Charker, C., Chare, D., Loudensel, R.R., Mikon, K., Daclab, J.M., Park, R.S., Shira, S.B., Shira, C., Chare, D., Land, Kimen, D., Balle, M., Park, R., Shiraker, S., Chare, D., Chare, D., Charker, C., Chare, C., Chare, D., Char

*** **** *** *** **** Phase 1 High Throughput Genome Sequence **

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Page 51

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match: 97 BR R9231 clone, match: 978 G25798 G28316; match: 97 R9231 clone 201608; Paired with EST R97996 repeat_region 7002e="illay creat: matches 515. 900 of consensus" repeat_region 7002e="illay repeat: matches 127. 234 of consensus" repeat_region 7007e="illay repeat: matches 12. 237 of consensus" repeat_region 7007e="illay repeat: matches 13. 270 of consensus" repeat_region 7007e="illay repeat: matches 13. 272 i88907 clone repeat_region 7007e="illay repeat: matches 130. 10 of consensus" repeat_region 7007e="illay repeat: matches 130. 10 of consensus" repeat_region 7007e="illay repeat: matches 126. 176 of consensus" repeat_region 71229 illay repeat: matches 126. 176 of consensus" repeat_region 7007e="illay repeat: matches 126. 176 of consensus" repeat_region 7007e="illay repeat: matches 126. 176 of consensus" repeat_region 7007e="illay repeat: matches 126. 176 of consensus" repeat_region 7000="illay repeat: matches 127. 1 of consensus"		repeat_region Mote="Pittative Cpc island" Mote="Pittative Cpc island" Mote="Pittative Cpc island" Mote="Milk repeat; matches 1. 300 of consensus" Mote="Milk repeat; matches 1. 300 of consensus" Mote="Milk repeat; matches 199. 1 of consensus" Mote="Milk repeat; matches 199. 1 of consensus" Mote="Milk repeat; matches 197. 92 of consensus" Mote="Milk repeat; matches 102. 92 of consensus" Mote="Milk repeat; matches 103. 92 of consensus" Mote="Milk repeat; matches 103. 92 of consensus" Mote="Milk repeat; matches 104. 180 of consensus" Mote="Milk repeat; matches 180. 180 of consensus Mote="Milk repeat; matches 180. 180 of consensus	

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Note: remainder of annotations omitted.

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1.74; Score 19; DB 21; Length 188741; Best Local Similarity 100.09; Pred Ro. 1.774-00; Date Local Similarity 100.09; Pred Ro. 1.774-00; Indels 0; Gaps Matches 19; Conservative 0; Mismatches 0
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RESULT 19
LGCUS H3347H13 195118 bp DNA HTG 12-MAY-1998
DEFINITION Human DNA sequence *** SEQUENCING IN PROGRESS *** from clone
ACCESSION AL021353 Romo sapiens Eukaryota; Metazoa; Chordata; Vertebrata; Mammalla; Eutheria; 93133085 HTG: HTGS_PHASE1. human. ACCESSION NID KEYWORDS F SOURCE NORGANISM

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There's Match 1.7% Score 19; DB 13; Length 195118; Best Local Similarity 10; ON: Pred. No. 1.776+00; Matches 19; Conservative O; Mismatches O; Indels O; Gaps Matches 19; Conservative O; Mismatches O; Indels O; Gaps Matches O; Dadels O; Gaps Matches O; Dadels O; Gaps Matches O; Mismatches O; Dadels O; Gaps Matches O; Mismatches O; Mismat

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RESULT 20 LOCUS PYT DEFINITION PYT

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District Supplies of British Daughjerg, Department of Phycology, District (12-80V-1994) Niels Daughjerg, Department of Phycology, Oniversity of Copenhagen, Osster Farinagsgade 2D, 1353 Copenhagen O, Demark FEATURES

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This sequence is unfinished. When sequencing is complete,
 the sequence data presented in this record will be replace
 by a single finished sequence with the same accession numbinostion/Qualifiers

/clone='347813' 45096 a 45142 c 45209 g 44457 t 15214 others

BASE COUNT ORIGIN

/organism="Homo sapiens" /db_xref="taxon:9606" /chromosome="22"

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** WARNING: Phase 1 High Throughput Genome Sequence

257 a 241 c 249 g 338 t

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DEFINITION Pytendimones parkeae chloroplast ribulose-1,5-bisphosphate
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Location/Qualifiers 1. 1089 FEATURES

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yesousce the tributose 1.5-bisphosphate carboxylase large subunit; ribitose 1.5-bisphosphate carboxylase/oxygenase large subunit; rubiaco large subunit.

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DEFINITION Pyraminonas propulss chloroplast ribulose 1,5-bisphosphate
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Direct Submission Submitted (22-NOV-1994) Niels Daugbjerg, Department of Phycology, Onlycrafty of Copenhagen, Oester Parlmagagade ZD, 1353 Copenhagen O, Demmark

/organism="Pyramimonas propulsa" /chloroplast /strain="K-0005"

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Rodentia; Sediucopthi; Muridae; Murinae; Mandentia; Murinae; Murina RESULT 25
LOCUS ABOO9389 1302 bp mRKA ROD 09-DEC-1997
DEFINITION Mis musculus mRKA for G protein-coupled receptor KY411, complete ACCESSION NID KEYWORDS COURCE ORGANISM N REFERENCE AUTHORS TITLE TOURNAL REFERENCE AUTHORS TITLE JOURNAL

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Tue Hov 17 08:55:24 1998 UB-06-887-977-9.rge	Availery "list" (Ab.zee' ** ** ** ** ** ** ** ** ** ** ** ** **	The Nov 17 08:53:44 1998 DETITITION C. elegans heat shock protein 70A gens, complete cds. ACCESSION 4,88:40 ALCESSION 4,88:40 AND
Page 69		Page 71
US-08-887-977-9.rge	Research Laboratory, 3 Highbara-cho, Takasaki, Gumma 370-12, Japan Consider Control (2000) 10 Tel: 81-273-46-9816) Construction (2000) 10 Tel: 81-273-46-9816 Constru	Hagnoliopaida: Caparales: Brassicaces; Arabidopaia. Hagnoliopaida: Caparales: Brassicaces; Arabidopaia. 1 (Names 1 to 1866) Brogs 1. Table 2. Line C. M. Gasch. M. Chye. M. L. Tan.C. T. Title Expression of the Calletum Dependent Protein Kinase Gene Pamily in Aprices and Charles and Children Communication of Children Communication of Children Communication of Children Communication of Children

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E Direct Gundards J. S.
E Direct Submission
Content (15-UT-1996) Molecular and Cellular Biology, Harvard
Conversity, 16 Divinity Avenue, Cambridge, MA 02138, USA
Contion/Qualitiers
Content Of Content C product-"decapentaplegic protein" th_xref"PID:gf669139* translation="MRAWLMLAVIATPQTIVRVASTEDISQRFIAA KGSGGGGPGRGSRGGARTSTALAAAANPPSEPAASPSDSDRBHRS underil in(<1, .58,207, .1103,2860, .3845) iene="dpp" orduct="decapentaplegic protein" .1103,2860. .3758) MEDLINE REFERENCE AUTHORS TITLE JOURNAL PEATURES Source exon exon mRNA gene

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Page 75

AB002314 6935 bp mRNA PRI Human mRNA for KIAA0316 gene, complete cds. AB002314 dr 4224572

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KIMAOJI6. RRome suptems male brain cDKR to mRKR, clone_lib:pBluescriptII SK Blomo sapiens nomo ouptuno. Enkaryotae, mitochondrial eukaryotes; Metazoa; Chordata; Vartebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; RESULT 31
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18 (Magner, T., Kofani, H., Nomura, R. and Ohara, O.

19 (Marker, Submission, 1997) to the DBBJZMBL/GenBank databases. Nobuo Submitted (18 MR) and Ransan Institute (or Section 19 1533-3)
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19 (Magner, M., Makajiaa, M., Maka JOURNAL II MEDLINE S FEATURES Source REFERENCE AUTHORS TITLE

/organism="Homo sapiens" /db_xref="taxon:9606" /clone=H60253" /eex="male" tissue_type="brain")8. .3782 |ene="KiAA0316" gene

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DEFENTION Caenorhabditis elegans cosmid H31920, complete sequence.
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Bonfield, J. Button, J. Connell, M. Copsey, T. Coper, J. Coper, J.

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Submitted (14-APR-1995) R.E. Dingle, University of SouthAmpton Medical School, Dept. of Modernia Microbiology, SouthAmpton General Respiral, SouthAmpton, S016 &TD, 13 (bases 1 to 7553) Modernia SouthAmpton, S016 &TD, 14 (bases 1 to 7553) Modernia SouthAmpton, S016 &TD, 18 Lambden, P.R. Human enteric calidiviruses have a unique genome structure and are distinct from the Rorack Like viruses Arch. Lido, 1345-1368 (1995) Model Location/University Virol. 1140, 1345-1368 (1995)

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Grimaila,R., Padgett,R.W., Irick,H.A. and Gelbart,W.M. Molecular organization of the decapentaplegic gene in Drosophila mealanogaster (7), ill4-1127 (1990)

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Drasophia melanogaster
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Sutton, G. G., Blake, J. A., Pleiscend, M., Clayton, R. A.,

Goorge, J. D., Kerlavage, R., Dougherry, B., Tomb, J., Admas, M. D.,

Merich, C. I., Owerbeek, R., Kirkness, E., Weinhord, R. Goorge, P. M., Tanna, J. J., Admas, M. D.,

Merich, J. M., Glodek, A., Soott, J. D., Geoglagen, N. S., Weidman, J. P.,

Peterson, J. D., Sadov, P. W., Rana, M. C., Cotton, M. D.,

Smith, R. O., Weese, C. R. and Venter, J. C.

Complete genome sequence of the methanogenic archaeon,

Methanococus jannachii.
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comes from this gene; cDNA EST yk87all; 5 comes from this event cDNA EST yk17f5; 5 comes from this gene; cDNA EST yk17f5; 5 comes from this gene; cDNA EST yk17f6; cDNA

Note: remainder of annotations omitted.

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axton, J. Connell, M.; Opesy, T.; Cooper, J.;
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/chromesome="III")

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Page 110

misc_difference 1257. .1256

/ note="polymorphism in length of Alu tail."
/ clone="bill goomid in 1653;
/ replace="two fewer A's in commid at base 29187-29188'
/ cropiace="two fewer A's in commid at base 29187-29188'
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Page 114		Page 116
US-08-887-977-9.rge	PROREYOLVANTLARINGCHANGESHELEPOTGESTANDEPARTITESTS repeat_region 779_26200000000000000000000000000000000000	### 17 08:55:24 1998 ***S459 - 19925; Contig of 4466 bp in length CHEGORGAL LOCATS. TO \$15.50 and 1202 (1915). ***William tumor Type 2 (#TZ) perform between Egge CHEGORGAL LOCATS. This region permands approximately 2 Mbp is mapped between D15270. ***ANTER CONSTRAYTON: mapped EGS; M19 sequence confirmation.
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Page 113		Page 115
Tue Nov 17 08:55:24 1998 UG-08-687-977-9.rgs	misc_difference 559 Asplace**Oimosomid (base 3486) with A in PAC* Asplace**Oimosomid (base 3486) with C in PAC* Asplace**Oimosomid (base 3588) with C in PAC* Asplace**Oimosomid (base 3588) with C in PAC* Asplace**Cin commid (base 3577) with T in PAC* Asplace**Cin (base 3777) with T in PAC* Aspl	Mote: remainder of annotations omitted. Query Match Best Local Similarity 100.00; Pred. No. 1.07e-01. Matches 18: Conservative 0: Minaatches 0: Indels 0: Gaps 0: D 30058 GTGCTGARTACCTTTCT 189 MACCESSION ACCESSION MACCESSION MAC

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Tue Nov 17 08:55:24 1998

Page 117

Waterston, R. H.
Direct Submission
Direct Submission
Direct (12-7978-1998) Genome Sequencing Center, Washington
University School of Medicine, 4444 Forest Park Parkway, St. Louis,
23108, 958.

*** WARNING: Phase 1 High Throughput Genome Sequence ***

This sequence is unfinished. It consists of 2 contigs for which the order is not frown: their order in this record is sublitary. In some cases, the exact lengths of the sape action of the sape act is not contigs are also unknown: these agap are presented on a some order of the same according to the requence data presented in this record ull be replaced by a single finished sequence with the same accession number is 1 1666; contago is 1666 bin length 1667 1666; contago is 1666 bin length 1667 1666; contago is 1666 bin length 1667 1666; contago is 1666 bin length.

Query Match 1.64, Score 18, DB 13; Length 163117; Best Local Similarity 100.04; Pred No. 1.076+01; Marche Natches 18; Conservative 0; Mismatches 0; Indels 0;

RESULT 47

Page 119

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/Organism="Nomo saplens"
/Object*(axon):9666*
/Object*(bill):9681*
BASE COUNT 47043 a 30026 c 33148 g 54882 t 18 others

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ACO04993 163117 bp DRA HTG 112-JTW-1998 Rome eaglens clone DJ1194E14; HTGS phase 1, 2 unordered places extens clone DJ1194E14; HTGS phase 1, 2 unordered places 9311004 HTGS PRASE1.
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REG. PASS PARSE1.

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Direct Submission

Direct Submission

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Submitted (1)-FMT-1999) E-mail enquiries: hunqueryéanger.ac.uk

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DFORTANT: This sequence is unfinished and deas not necessarily represent the correct sequence. North on the sequence is in propress and the sclease of this data is based on the understanding that the sequence may change as work continues. The sequence may be contaminated with foreign sequence from Ecolity, yeast, vertox, phage etc. Order of sequence in our known; 800 is separate phage etc. Order of sequence and the track acceptance of the propriet in the propression of the 
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Human DNA sequence from clone 125H2 on chromoscee 22q11-12 Contains
spart of myosin heavy chain gene, EST, CA repeat, STS, GSS, complete
sequence.
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Human

Bounsapiens

Pularery Metaron; Chordata; Vertebrata; Mammalia; Butheria;

Thates Casarinin; Rominidae; Homo.

1 (bases 1 to 173513)
                              HS287214 113187 bp DKA RTG 17-JUL-1998
Human DKA sequence *** SEQUENCING IN PROGRESS *** from clone
255725 RTGS phase 1.
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1. 113187
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Gono appiens
Raryode, Metacos, Chordate, Vertebrate; Mammalla, Eutheria,
Primates, Catarbini, Fominidae; Ermo.
(bers I to 113187)
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COMMENT
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US-08-887-977-9.zge Tue Nov 17 08:55:24 1998

Page 120

Jument (352: 916)
jument (352: 916)
i. 7248
i. 7248
ce-7Alug repeat: matches 1.45. .90 of consensus
te-7Alug repeat: matches 1. .302 of consensus
te-8 contest of mer aatast 98 conserved
phement (234: .2423) repeat_region

Copies 6 mer aataat 98% conserved" mer (135%, 1433) not (135%, 1334) not (135%, 1334) not (135%, 1334) not (136%, 1334) not (136%, 1334) not (136%, 13743) not (136%, 136%, 13743) not (136%, 13 mplement(1348). 3733)
ote="Aludg repeat: matches 283. 34 of consensus"
matchent(1376. 4067)
ote="MERTA repeat: matches 335. 38 of consensus" copies 127 mer 83% conserved* ... conserved*
4292. 4555
/note**2 copies 130 --/fiss. 7658. 725 "3 copies 90 mer 82% conserved" repeat_region repeat_region

repeat_region

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tches 903. .570 of consensus"

US-08-B87-977-9.rge

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Page 121

repeat_region

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Tue Nov 17 08:55:24 1998

i= 7 copies 6 mer acacac 93% conserved" cement(1479. 14823) WHRZ repeat: matches 124. .94 of consensus" 2 repeat: matches 146. .60 of consensus* (8230. .8408) ** Juous repeat: matches 1. .299 of consensus*
lement.10956: Jillill ...
lement.10956: Jillill ...
lement.1056: Jillill /note="Alusp repeat: matches 1. .303 of consensus" complement(8081. .8159) **MIR repeat: matches 23. .226 of consensus**
lament(15147 .12295)
e="MIR repeat: matches 198. .44 of consensus*
6. .12891. tches 245. .65 of consensus* te"*MIR repeat: matches 245. .65 of consensus* plement(9769. .9950) ce"*MIR repeat: matches 250. .54 of consensus* 05. .10353 repeat: matches 97, .149 of consensus" repeat: matches 1. .299 of consensus . 13493 *10 copies 4 mer acac 95% conserved" *7 copies 6 mer acacac 93% conserved" e-"MIR Ź epeat_region repeat_region repeat_region epeat_region repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region 'epeat_region repeat_region repeat_region epeat_region

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"="HIR repeat: natches 56. 98 of consensus"
ement(73221. .5333)
...Li repeat: matches 5021. .4889 of consensus"
...2546

="MIR repeat: matches 6. .201 of consensus" lement(24144 .34436) =="Alora repeat: matches 300. .7 of consensus" 1. .24767

repeat: matches 56, .98 of consensus"

**Aludo repeat: matches 396. .2 of consensus" tement(2644. . 26576) ="L1 repeat: matches 5021. .4889 of consensus" tement(27192. . 27534)

repeat_region

="MIR repeat: matches 6. .201 of consensus" .ement(26155. .26449)

as WEEZ repeat matches 345. 1 of consensus "lament(2786, 2767)
e**Alabo repeat: matches 296. 2 of consensus"
lament(2785, 2803)
e**Li repeat: matches 1964. .1709 of consensus "lament(2845). 28037)

**MERZ repeat: matches 345. .1 of consensus*
ement(28986. .29246)

1.6%; Score 18; DB 21; Length 173513;

Note: remainder of annotations omitted.

Query Match

repeat: matches 297. .112 of consensus repeat: matches 101. .146 of consensus RZ repeat: matches 85. .130 of consensus" 9377 ce"AluJb repeat: matches 297. .112 of consensury. .17021 17. .17021 "AluJb repeat: matches 1. .101 of consensus". .17669 e="8 copies 4 mer tgaa 94% conserved"
lement(1785; .1791)
e="MIR repeat: matches 189. .77 of consensus"
0. .18154 repeat: matches 44. .262 of consensus* 15848. .16027} repeat: matches 80. .146 of consensus" repeat: matches 80. .146 of consensus" Ž repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region repeat_region

Tue Nov 17 08:55:24 1998

/note="MIR2 repeat: matches 85. .130 of consensus"

Best Local Similarity 100.0%; Pred. No. 1.07s+01; Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 48 LOCUS B DEFINITION B

no sapiens no sapiens Aaryota: Hetacoa: Chordata: Vertebrata; Hammalia: Dutheria: Tataes Cetarrhini: Mominidae; Homo. (bases 1 to 18015) ACCESSION NID KETWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE JOURNAL

COMMENT

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Submitted (13-U1-1998) Wellcome Trust Genome Campus, Hinxton, Submitted (13-U1-1998) Wellcome Trust Genome Campus, Hinxton, Cambridgentry, CE10 158, UT. E-mail enquires:

Cambridgentry CE10 158, UT. E-mail enquires:

Inspect Submitted (13-U1-1998) Wellcome Trust Genome Read Not Properties of the Propertie

*** WARNING: Phase 1 High Throughput Genome Sequence ***

** This sequence is unfinished. When sequencing is complete,

** the sequence data presented in this record will be replaced

** single finished sequence with the same accession number.

1. ..180163

Db 39317 ATGCCACTGGTGGTGGG 39334
Qy 290 ATGCCACTGGTGGGTGG 307

immo sapiens Arryota, Mezana, Chordata, Vertebrata; Mammalia; Eutheria; Primates Catarbini, Reminidae; Homo. Primates Catarbini, Reminidae; Homo. Towner D. 190000) Stone M.E., Schutte, J.J., Cox, D.R. and Myers, R.M. 93287699 HTG; HTGS_PEASE1. human.

This sequence is unfinished. It consists of 48 contiss for which the order is not known; their order in this record architectury. In some cases, the exact lengths of the gaps between the contiss are also unknown; these gaps are presented as runs of M as a convenience only. When sequencing is complete, the sequence data presented in this record will be replaced by a single finished sequence with the same according in mapper. In 1048; config of 1048 pt in length

ength P in length

Page 124

/db_xref="taxon:9606" /chromesnme="21" /chromesnme="21" /chromesnme="21" /chrome="21" /chromesnme="21" /chromesnme="21"/chrome

US-08-887-977-9.rge

Tue Bov 17 08:55:24 1998

Page 123

Query Match
1.6%; Score 18; DB 13; Length 180163;
Best Local Similarity 10:0%; Pred No. 1.079-40;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps

ö

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Qy 749 redrectronstrones 766

RESULT 49
LOCUS
1.000479 190000 bp DRA HTG 03-UUL-1998
DEFINITION *** SEQUENCING IN PROGRESS *** Homo sepiens chromosome 4, BAC clone
ACCESSION AC004479
ACCESSION AC004479 ACCESSION NID KETWORDS SOURCE ORGANISM

AUTHORS
TITLE
JOURNAL
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

Unpublished
7 (bases 1 to 19000)
1 (bases 1 to 19000)
Direct Submission
Direct Submission
Direct Submission
Direct Submission
Submitted 17-MRN-1999) Department of Genetics, Stanford Human
Genome Center, 855 California Avenue, Palo Alto, CA 94304, USA *** WARNING: Phase 1 High Throughput Genome Sequence

FEATURES SOUICE

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Tue Nov 17 08:55:24 1998

US-08-887-977-9.rge

Cp 968 TICAGAICTICAGAAAG 951

domo sapiens Enkaryotes: mitochondrial eukaryotes; Metasoa; Chordata; Vertebreta; Mammaila; Eutheria; Primates; Catarrhini; Hominidae 27-MAY-1997 PRI NID KEYWORDS SOURCE ORGANISM

"Chases I to 2003,8 to 200 REFERENCE AUTHORS TITLE

JOURNAL MEDLINE REFERENCE AUTHORS TITLE JOURNAL

Outry Match 1.6%; Score 18; DB 21; Length 200349; Best Local Similarity 1000, Pred. No. 1.076-01; Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps

Db 48820 TAATCATAGCTGTGGTGC 48837 [1111][111][1][1] Oy 737 TAATCATAGCTGTGGTGC 754

Search completed: Sat Nov 14 02:11:31 1998 Job time : 3462 secs.

Query Match 1.6; Score 18; DB 13; Length 190000; Best Local Similarity 100.0%; Pred No. 1076+01; Marches 18; Conservative 0; Mismatches 0; Indels 0;

Db 176614 TICAAGAICTICAGAAAG 176631

/chromosome=4-BASE COUNT 44424 a 47755 c 47115 g 43795 t 6921 others ORIGIN

PEATURES SOLICE

Nov 17 08:55:26 1998

Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

n.a. - n.a. database search, using Smith-Waterman algorithm Run on:

Mon Nov 16 15:43:42 1998; MasPar time 172:23 Seconds 883.941 Million cell updates/sec Tabular output not generated.

>03-08-087-977-9
(1-1119) from USC0887977.seq
119 1 ATGTTTTCOCCCAGAGAGAGAGAGATT
RACAMAGAGAGAGAGATT
RACAMAGAGAGAGAGATT

Title: Description: Perfect Score: N.A. Sequence: Comp:

Scoring table:

Dbase 0; Query 0 TABLE jmetric Gap 60 STD Match

188442 segs, 68026449 bases x 2 Searched:

Post-processing:

Database:

n-geneeg22 Jarril 2 part 3 :part3 4:part4 5:part Spring 5:part5 10:part6 11:part11 1 19:part3 20:part5 20:part6 17:part 29:part3 20:part2 21:part2 29:part3 20:part2 15:part2 27:part1 39:part3 30:part3 50:part3 37:part1 39:part3 40:part3 56:part5 37:part1

Variance 2.791; Mean 7.738; Statistics:

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Embodes glucosmylase in the Process glucosmylase in the Broades of the Broad moulds cont.

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Page 3

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Page 2

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and its derived by analysis of the rotal score distribution.

Length

8

Result No.

US-08-887-977-9. Eng

Minimum Match 0% Listing first 1000 summaries

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ATM metter 128764187

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Sequence of Lav virus

Gegenoce of Lav virus

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Franch 12878

ATM metter 1288

Query Match

99.94; Score 1118; DB 46; Length 1119;
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Matches 1118; Conservative 0; Mismatches 1; Indels 0;

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1; Indels 0;

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Page 24

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intron intron exon exon

misc_difference misc_difference

not identified /*tag= 1 /note= "base n at position 1608 is in the specification" misc_difference

misc_difference misc_difference

/*tag* j /note* *base n at position 1837 is not identified

Page 23

RESULT 1.

VISCAI standard; CDNA: 1119 BP.

TO VISCAI standard; CDNA: 1119 BP.

TO VISCAI STANDARD (first entry)

DE Ruman dendfit(c cell chemokine receptor encoding cDNA.

FR. Ruman dendfit(c cell chemokine TDNA; MIP-abpta) MIP-abeta;

KW. Ruman dendfit(c cell; macrophage) inflammetion; se.

ALIGNMENTS

US-08-887-977-9.Eng

Tue Nov 17 08:55:26 1996

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961 atettgaaggacetgtggtgtgtgagaaggaagtacaagtecteaggetteteetgtgee 1020

US-08-887-977-9. Eng

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US-08-887-977-9. Ing

Tue Nov 17 08:55:26 1998

Tue Nov 17 08:55:26 1998

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coil polymerase III holo:ensyme - used to make man-made ensyme of 5 or of shiouts, useful for long other.

The shiouts, useful for long other.

This is the nucleotide sequence encoding the delta subunit of the E. coil man polymerase III holostype. The sequence was isolated from a lambda place library using probes based on the sequence was isolated from a lambda place library using probes based on the sequence of the trypit opeptides for a lambda place. Coil polymerase III subunite (theta, chi, psi, delta and delta' (17911): 17915. The sequence of the trypit of the sequence of the suppression of the sequence of the trypit of the sequence of the suppression of the sequence of the sequence of the suppression of the sequence of the suppression of the sequence of the sequence of the suppression of the sequence of the sequenc
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10 00373;
AC 00573;
AC 0057
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00-FEB-1999; R-2077835.
01-FEB-1999; R-2070836.
(PALA) PALADIM HTRRIDS INC.
(PALA) PALADIM HTRRIDS INC.
FEB-1980; 10-306438.
FEB-1980; 10-306437/34.
FEB-1980; 10-30697/34.
FEB-1980; 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 caryle; Page 15-16; 115pp; English.
The sequence is that of the DNA polymerase III holoensyme delta subunit hola gene.
Sequence 102 Bp; 241 A; 262 C; 278 G; 251 T;
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                                                          968 T;
                                                                                                                                                                     Length 3293;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 5

O4/137; atandard; DRA; 1032 BP.

AC Q4/137; atandard; DRA; 1032 BP.

DE MAN-1994 (first entry)
DE DRA; DOHAR-1994 (first entry)
DE DRA; DOHAR-1994 (first entry)
DE SAMP-1994 (first entry)
DE SAMP-1994 (first entry)
DE DRA; DOHAR-1994 (first entry)
DE SAMP-1994 (first entry)
DE SAM
                                                          579 G;
                                                          701 C;
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Disclosure: Pig 3c; 207pp; English.
                                                                                                                                                                     Query Match 1.7%; Score Best Local Similarity 100.0%; Pred. Matches 19; Conservative 0; M
                                                          1032 A;
                                                                                                                                                                                                                                                                                                                                                                                                                         SQ Sequence 3293 BP;
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Bet Local Similarity 10:04; Pred No. 1.366-01; 
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps
                                      /*tag* k
/note* 'base n at position 1840 is not identified
nisc_difference 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Misc_difference 50 as at position 3057 is not identified in the specification.

Misc_difference 504 as at position 3074 is not identified for specification.
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/note* base n at position 1993 is not identified
nisc_difference 2613
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te= "base n at position 2646 is not identified

the specification"
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// product= "DOLN"
// product= "DON POLYmerase III delta submit"
// ritinial_except= (pos: 538 -540, As: Ann)
// ritinial_except= (pos: 715 -717, As: GLY)
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/note* base n at position 2613 is not :
/note* procification*
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JUNY-1996 008
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See also 005749, Q05752 and Q05754-Q05758.
Sequence 3293 BP: 1031 A; 701 C; 579 G;
in the specification' misc_difference 1840
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misc_difference 2996
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misc_difference 3057
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Query Match 1.5%; Score 17; DB 8; Length 1032; Best Local Similarity 100.0%; Perf. No. 3 BSet-00. Matches 17; Conservative 0; Manatches 0; Indels 0;

P-PSDB; #36070. Isolated theta, chi, psi, delta and delta' protein sub:units of E.

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Tue Nov 17 08:55:26 1998
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PR W09145541-A2.

PD 04-DEC-1397.

PD 18-MIN-1396 108-018508.

PD 18
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10 Concording hammon Concording the complete sceptors (CRE).

11 Concording hammon Concording the complete sceptors (Chemokine receptor S; CRE); CRES; C
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                                                                                                                                                            MESULT 6

MISTAL AND DELIGIONAL STATE OF MAINTENANCE OF MAINTENANC
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1..1116
/*tag= a
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MESOLY

144422 standard; CDNA; 1414 BP.

154432; 397 (dirat entry)

154432; 397 (dirat entry)

154432; 397 (dirat entry)

155 (dirat entry)

156 (dirat entry)

157 (dirat)

158 (dirat entry)

158 (dirat entry)

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Query Match

1.54, Score 17; DB 25; Length 1414;
Best Local Similarity 10:09, Pred. No. 3:55-00;
Best Arches 77; Conservative 0; Mimmatches 0; Indels 0; Gaps

Db 1163 agaagttcagaactac 1179

ery Match 15%, Score 17; DB 39; Length 1255; Local Similarity 100:09; Pred. Ro. 3.854-00; Indels 0; Gaps thes 17; Conservative 0; Mismatches 0. Indels 0, Gaps

Db 962 agaagttcagaaactac 978

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240..887
/*tag= a
935 AGAAGTTCAGAAACTAC 951
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PR NO9712019-A2.

PR NO9712019-A2.

PR NO9712019-A2.

PR NOF-1997; RED013.

PR NOF-1997; RED014.

PR NOF-1997; RED014.

PR NOF-1998; RED014.

PR NOF-1998;

Opery Match 1.5%; Score 17; DB 37; Length 1442; Best Local Similarity 100:09; Pref. No. 355+60; Marches 17; Conservative 0; Manatches 0; Indels 0;

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Tue Nov 17 08:55:26 1998

RESULT, 12

DE 780107 standard: CDNA: 1526 BP.

DE 780107 standard: CDNA: 1526 BP.

DE 780107 (first entry)

DE 18001-197 (first entry)

DE 18001-197 (first entry)

DE 18001-197 (first entry)

DE 18001-197 (first entry)

DE 190107-197 (first entry)

DE 190107-1985; JP-1465074.

PR 20-7UB-1985; JP-1465074.

PR 20-7UB-1985; JP-1465074.

DE 190107 controlled first entry en

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g

Query Match 1.5%; Score 17; DB 34; Length 1526; Best Local Smilarity 100.0%; Pref. No. 385+00. Marches 17; Conservative 0; Mismatches 0; Indels 0;

79947. 20 standard; CDNA; 1557 BP.
79947. 20 standard; CDNA; 1557 BP.
71-MAT-1998 (first entry)
Riman chemokine receptor. MRLR-CCR CDNA.
Mammalian mixed tymphoryer receptor. MRLR-CCR CDNA.
MILLaman concoryer matrophage; chemotaxia; handleamanton; polificative disease; cardidum formun: Theumatoin for architals abovelitis; chemotaxia; mystandard architals abovelitis; chemotaxia; mystandard architals abovelitis; chemotaxia; mystandard architals abovelitis; mystandard architals mystandard mysta

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PR 26-APR-1996; US-638081.

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Query Match 1.5%; Score 17; DB 39; Length 1557; Best Local Similarity 100:0%; Pred. No. 356+00. Natches 17; Conservative 0; Mimmatches 0; Indels 0;

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PF W09732019-N2.

PD 04-5E2-1997.

PD 04-5E2-1997.

PD 08-72-1997.

PD 08-72-1

Query Match 1.59; Score 17; DB 37; Length 1477; Best Local Similarity 100.09; Pred. No. 3.85e+00; Marketes 0; Indels (Marketes 17; Conservative 0; Mismatches 0; Indels (

Db 1144 agaagttcagaaactac 1160

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Page 36

RESCULT 14
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RESCULT 1597 (first entry)
RESCULT 1597 (first entry

J09215495-A. 19-AUG-1997. 20-JUN-1996; 181514.

07-DEC-1995; JP-345659. (SUMU) SUMITOMO SEIYAKU KK. WPI; 97-465073/43.

US-08-887-977-9.zng

(UMD) ANALYDES SETAKU KK.

PR. 19 - 1460773.41

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Query Match 15%; Score 17; DB 34; Length 1641; Best Local Similarity 100.0%; Pred Recoles 17; Conservative 0; Mismatches 0; Indels 0; Gaps

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Tue Nov 17 08:55:26 1998

0; Mismatches 0; Indels Matches 17; Conservative 1990 tggccttcttataaaa 2006

Cp 205 TGGCTTCTTATAAAA 189

disease; KP-1; human; mouse; KF361 gene; antibody; ss. Turn 16, 2000 BP.
Turn 10008 standard; cDKa; 2000 BP.
25-30V-1997 (first entry)
KF-1 gent.
Albreimer's disease; KF-1; human;
How sapten.
Key sapten.
1...1641

Location/Qualifiers 1..1641 /*tag= a

PH 102215495-A. Part Page a property of the pr

DEFINITION OF SEARCH CORN. 2058 BP.

DEFINITION SEARCH CORN. 2058 BP.

EXEMPLE TO THE CORN. 2058 BP.

Query Match 1.5%, Score 17, DB 33, Length 2080;
Bert Local Similarity 100.0%, Pred 16, 3.8540;
Matches 17, Conservative 0; Mismatches 0; Indels 0; Gaps

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1573 tggcettettataaaa 1589 Cp 205 TGGCCTTCTTATAAAA 189

RESULT ID 000 AC 000 DT 27 DE HU KW MU

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> Location/Qualifiers 120..1517 /*tag= a /product=MAR subtype m2 misc_signal Key

/*tag* b
//label*splice acceptor site
//note*defines the 5' end of
/*t.2096

PF US7241971-A.

PF US7

Query Match 1.5%; Score 17; DB 1; Length 2135; See the Local Similarity 100; Dr. Pred. No. 3.85e+0; Indels 0; daps Matches 0; Indels 0; Gaps

a

127 18 N92069 standard; DNA; 2135 BP. N92089 standard; DNA; 2135 PP. 27-5EP-1989 (first entry) Muscarinic acetylcholine m2 receptor gene. Muscarinic acetylcholine receptor; drug screening; probes; m2; ss.

Query Match
1.5%; Score 17; DB 2; Leugth 2135;
Beet Local Similarity 100.0%; Pred. No. 3.854-00;
Matches 17; Conservative 0; Mismatches 0; Indels

RESULT. 19.154; standard; CDNA: 1383 BP.

A T9815; standard; CDNA: 1383 BP.

A T9815; standard; CDNA: 1383 CDN.

D Huan Chemother receptor 8C CDN.

KN Chemother receptor 8C; stheroselerosis; rhematoid arthritis; KN tumour; stime, YIR1 infection; ADDS: inflamation: Autoiname disease; therapy; diagnosis; leukocyte traffiching; KN standard and stease; therapy; diagnosis; leukocyte traffiching;

Page 39

US-08-887-977-9. IN

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Query Match 1.5%; Score 17; DB 34; Length 2058; Best Local Similarity 100.0%; Pred. No. 3.85e+00;

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//abed=fines the 5' end of the exon
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/*tag= c

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Homo sapiens. Key cds misc_signal polya_site

polya_site

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Page 42

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PESSULT 21
TF010.00 standard; cDNA; 1526 BP.

No. 7501.00 standard; cDNA; 1526 BP.

No. 1904.1937 (first entry)
DE Numar Free close [F751.1]
Milhelmer's disease; KF-1; human; mouse; KF361 gene; antibody; ss.
No. 9201.8455.A.

10921.8455.A.

P 19-AACD.1997:
PP 20-ATM-1986; JP-1465073.43

N (STNC): SUNTYON SETAKU KK.
PP 20-ATM-1986; JP-1465073.43

PR A PARAIN-SPECIFIC expression gene - used in the diagnosis of TAILANDER'S disease.
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                                                                                                      PF 709215495-A. /*tag= a pp 19-700-2199.

PP 20-700-1999.

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PF 20-700-1999.
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                                   Location/Qualifiers
923..2980
/*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tue Nov 17 08:55:26 1998
                                        Page 43
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AP 1790099 standard: CDRA; 3423 BP.
D 125-NOV-1997 (first entry)
DE Minan KP-1 gene.
R Alzhcher's disease; KF-1; human; mouse; KF361 gene; antibody; ss.
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Best Local Similarity 100.0%; Pred. No. 3.85e+00;
Matches 17; Conservative 0; Mismatches 0
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G protein coupled receptor; human; ss.
Homo sapiens. Location/Qualifiers
eds. 55, 1117
                                                                                    Location/Qualifiers
55.1113
/*tag= a
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CC disease. SQ Sequence 3526 BP;

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a ò RESULT. 23

DE GOUSTISS strundard; DRA; 60 BP.

DE GOUSTISS STRUNDIAL DESCRIPTION OF CONTROL OF CON

Query Match
1.4%; Score 16; DB 4; Length 60;
Best Local Smilarity 100.0%; Pred. No. 1.86e+01;
Matches 16; Conservative 0; Minnatches 0; Indels

Query Match 1.5% Score 17, DB 29; Length 3791; Best Local Similarity 100 09; Pred. NB. 3.955+00; Matches 17; Conservative 0; Manatches 0; Indels 0; Matches 18; Conservative 19; Manatches 19; Conservative 19; Manatches 19; Conservative 19; Conse

RESULT 24

ID TRESSE, Extendard; DNN; 367 BP.
AC TRESSE;
COding Sequence for Farl Theny Chain.
DE Coding Sequence for Farl Theny Chain.
The ArticolomeDevertative determining region; heavy chain; rat; CEN;
KW ArticolomeDevertative determining region; heavy chain; rat; CEN;
KW Articolome. The Articolome Control Complex Control Control

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Query Match
1.4%: Score 16; DB 21; Length 777;
Best Local Similarity 10.0%; Pred; No. 1.86=01;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps
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TO 14543;

TO 14543;

TO 13-NOV-14997 (first entry)

TO 13-NOV-14997 (first entry)

TO 14-NOV-14997 (first entry)

TO 15-NOV-14997 (first entry)

TO 15-NOV-1499 (first entry)
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Service sp.

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Transl_cxcept= (pos: 298..301, as: Aap

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R. (1.07U-1996; US-50918).

R. (1.07U-1998).

R. (1.07U-1998
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1.44; Score 16; DB 38; Length 367;
Bet Local Similarity 100; O4; Pred. No. 1.86e+0;
Matchies 16; Conservative O; Mismatches O; Indels O; Gaps
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1.44; Score 16; DB 33; Length 892;
Best Local Similarity 100,09, Pred. No. 186ed-0, indels 0; Gaps
Marches 0; Indels 0; Gaps
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24. Control DNN: 777 BP. M. 7746 DP. Periodillin-resistant pneumococcus gene fragment. DE Periodillin-resistance; pneumococcus detection; primer: probe; KM specific; ss.
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Tue Nov 17 08:55:26 1998

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Per nucleic acid which alters flower morphology - by suppressing.

Testal and estamonists of converts them to other organs, partic.

Disclosure. Stanson 19 into overts them to other organs, partic.

Michora pecific and plants less awareptible to insect pears.

A filter pecific and plants as included from the genome of petunist which are pecifical and plants as included from the genome of the period of the specific and the gene has the features of a transcription factor and bythids that gene has the features of a transcription factor and control of the gene plants of the features of a transcription factor and control of the gene plants of the features of the features of a transcription factor and are supplicated. Plants transformed with the gene are less a specifically accument plants are protected against Franklinials of perfect metals but the method one be used for other, ep.

Sectionally administrative to have appointed plants. The plants are protected against Pranklinials confidentials but the method one bused for other, ep.

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Satisfactive to secondary fund in the plants are also less may concern the period of the 
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TO 144(177)
TO 144(1
New nucleic acid which alters flower morphology - by suppressing petals and stamen(s), or converts them to other organs, partic. to produce transgenic plants less susceptible to insect pests
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 14%, Score 16; DB 9; Length 960; Best Local Similarity 100:0%; Pred. No. 1.868+0; No. 1.868+0; Indels Marches 16; Conservative 0; Mismatches 0. indels
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RESULT 27

DESCRIPTION OF STREAM OF

Eisen HN, Kranz DM, Saito H, Tonegava S; WPI; 97-033602/03.

US-08-887-977-9. ING

PASSES, MOSISTA.

Total receptor, amma subunit proteins - useful for antibody prodn. Total receptor, amma subunit proteins - useful for antibody prodn. Total receptor, 1801:1991; Magliah. Magliah. Magliah. Babinit (1901:13) and 1900:190.

Co code for the berta subunit (1901:23) and sames abunit (1901:33) of a cot of cor the berta subunit (1901:23) and same abunit (1901:23) of a cot of the magliah. Total schools of the magliah. Total schools of the magliah. Magliah subunit (1901:23) and passing contrasponding cot these oblike atter expressed and rearranged specifically in Totals of the color of th

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Score 16; DB 28; Length 1286; Pred. No. 1.86e+01; 0; Mismatches 0; Indels 0; Gaps

Query Match Best Local Similarity 100.0%; Matches 16; Conservative

g ò 17 29 Seandard; CDRA; 1295 BP.
1897371 standard; CDRA; 1295 BP.
189717 standard; CDRA; 1295 BP.
1877-1990 (first entry)
1878-1990 (first entry)
1878-1990 (first entry)
1878-1990 (first entry)
1878-1990-74 receptor; alpha subunit; cytotoxic T cell; lymphoma;
1878-1990-74 pm54; pm54; pm573).
1878-190-74-

/*tag= a /label= T cell receptor alpha subunit.

7, -sg. d. 7, 1abel = T cell receptor alpha s pr US4874845-A. 2017-13994 (2012). T 13-70W-1394; (2012). R 13-70W-1394; (2012). R 13-70W-1394; (2012). T 15-8470 H. Karaschusette Institute of Technology. I Safton H. Karaschusette Institute of Technology. HWT: 89-377331/\$1.

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CC (The alpha subunit is referred to as a "gamma" subunit in the claims and cc part of the discours of the apposituation).

Expenses darried from the sequence (see p3181) and P91814) can be used cc to produce anticoles for election of anti-role. As no for delivery of ca bound elemetherspecitic cpd. to analygans T cells in patients with T cells improme. 1295 BP; 333 A; 311 C; 257 G; 344 T;
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In 16493, attandant, cDNA, 1654 BP.

AC 16493, and 16494, and 1649
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hypermegharizyorkopistic disorder. It can alno berued as a
modulator compounder or radioprotective agent, and to beruen or
modulator compounds 340 A; 551 C; 469 G; 294 T;
                                                                                                                                                                                                                                                                                                                                                                                            Odery Match 1.4%; Score 16; DB 1; Length 1295; Best Locate Smilarity 100.0%; Pred. No. 1864-01. Second No. 1864-01. Ondels 0; Indels 0; Manatches 0; Indels 0;
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Page 49
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US-08-887-977-9.rng

Manmalian Tipmphocyte receptor sub-unit - with structure derived using cDNR tlones derived from functional murine cytotoxic Tipmphocyte clone. Disclosure: if 40: 15pp: Edglish. The sequence encodes the V.V., and C. regions and the transmembrane and cytoplassic domains of the alpha subunit of the T cell receptor (TRE)

235 TGTTCAAGAGATAGAC 220

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PROBLEM 1979.5991191.

PROPERTY 1979.

PROPERTY 1979.5991191.

PROPERTY 1979.

PROPERTY 1979.599119191

PR 809727299-A1.

PD 31-700-1997.

PD 31-700-1997.

PR 16-MM-1998 (100993)

PR 16-MM-1998 (10093)

PR 16-MM

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Tue Nov 17 08:55:26 1998
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industrial production of 2,5-di:hydroxy:pyridine
industrial production of 2,5-di:hydroxy:pyridine
This sequence encodes 6:hydroxy:hydriac monoxygenase (6-HRANO) isolated
from Seudomona fluorecenter acrain The The DNA an host cella
fransformed with it, are used to produce 6-TRANO. 6-HRANO is used for the
dequence alto psp. 35,5 dihydroxypytidine.
1009 psp. 340 A. 352 C. 310 T;
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Onery Match 1149, Score 16; DB 32; Length 1809; Best Local Similarity 1000; Pref. Ro. 1, Best Local Similarity 1000; Pref. Ro. 1, Remetches 0; Indels 0; Gaps Matches 16; Conservative 0; Mismatches 0

DO CONTRACT STATE OF THE CONTROL OF

Query Match Best Local Similarity 100.0%; Pred. No. 1.86e+01;

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Page 56

Location/Qualifiers 38.2056 /*tag= a Homo sapiens. Key cds

PR EP-184/50-A. /*tag= a property of the product of the production of the production

Query Match 1.4%; Score 16; DB 1; Length 2300; Best Local Similarity 1000%; Pref. Mo. 1.86+01; Matches 18; Conservative 0; Matamatches 0; On Indels 0; Gaps

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RESULT.

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Page 53

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Tue Nov 17 08:55:26 1998

proadherent properties for circulating T cells and monocytes. A secreted or soluble form, consisting of the chemokine deadin and the sails region, and the sails to child the sails to thin the sails region or care chemokine may be a potent regulator of chicalism below of CASC chemokine and the sails and the sail the sail of the chemokine and the sail of the chemokine and the sail of the chemokine and the sail of the child 8888888888888888888

Query Match
1.41; Score 16; DB 36; Length 1654;
Best Local Similarity 100.04; Pred. No. 1.864-01;
Makaches 16; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 33

ID 77731 atandard: DNA, 1809 BP.

ID 77731 atandard: DNA, 1809 BP.

ID 8.5FP-1937 (fitze entry)

ID 8.5FP-1937 (fitze entry)

ID 8.5FP-1937 (fitze entry)

ID 8.5FP-1937 (fitze entry)

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0; Mismatches 0; Indels 0; Gaps Matches 16; Conservative Tue Nov 17 08:55:26 1998

Wigolise, 119-WFR-1993 (cretaed.)
119-WFR-1999 (first entry)
Synthetic human 5-lipoxygenase gene.
Synthetic human 5-lipoxygenase gene.
Edman, 5-lipoxygenase gene.
Edman, 1-lipoxins, catalyst.
Romo saplene (Ruman)
US. 139-2. nowo sayiens (numen)
CDS 73..1962
/*tag* a niec_feature 1..34
/note="attached sequence" | RESULT | 35 | RESULT | 35 | RESULT | 35 | RESULT | 35 | RESULT | 36 |

PR EP-32573.A.

DO 700-1980.

PR AD00-1980.

PR AD00-1980.

PR AD00-1980.

PR AD00-1980.

PR AD00-1980.

PR AD00-1980.

PR AD000-1980.

PR AD0

Query Match 1.44; Score 16; DB 1; Length 2499; Best Local Similarity 100:19; Pred. No. 1.86e/01; Pred. Matches 0; Indels 0; Gaps Matches 16; Conservative 0; Matches 16; Observative 0; Ob

RESULT 36
AC 005784; standard; DNA; 2500 BP.
AC 005784;
AC 005784;
AC 4-JAN-1991 (first entry)
B sequence encoding human Eyllycoxygense.
KW E.coll expression vector; leukotifene A4; lipoxins; ds;

Page 55

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Page 58
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8 05-UNR-1984; 617483.

8 16-WAY-1989; 10-71483.

8 16-WAY-1989; 10-71483.

8 16-WAY-1989; 10-71483.

9 17-WAY-1989; 10-71483.

9 24-WAY-1989; 10-71483.

9 24-WAY-1989; 10-71483.

9 24-WAY-1989; 10-71480.

9 25-WAY-1989; 10-71480.

9 25-WA
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                 US-08-887-977-9. rng
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nisc_difference 335
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nisc_difference 1738
/*tag= t
/note= 'represents the number 7*
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/*tag= b
/note="intron A"
1014..1189
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1190.1303
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        Page 57
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Elements retentla polypoides are used to immunise chickens against finerian result in consistence, so that coccidiosis is presented. They are used in weather, so that coccidiosis is presented. They are used in weather, so that coccidiosis is presented any also be administered to confer protection. In the conference of the conference 
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RESULT 18
RECORD AND ALTER TO THE TENT OF TH
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O1-202-1286. (SESSOR
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O1-
US-08-887-977-9. Eng
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/note= '1925..1927 = termination codon'
51
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037481.
037481.
193781.
Elmeria tenella TA4 antigen gene.
Coccidiosis; chicken; poultry; Apicomplexa; vaccine; in
Elmeria tenella.
Key
Key
Toccidiosis.
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misc_difference 182
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66..1667

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68..1791

29..2424

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1666..1789
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1790..1923
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cc which has mol. vt. about 25000 and consists of two polypeptides
(1900ad by a disalphide bond nower polypeptide has not. vt. about
(2000ad by a disalphide bond nower polypeptide has not. vt. about
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US-08-887-977-9. ING

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Tue Nov 17 08:55:26 1998
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0; Indels 0;
Score 16; DB 6; Length 2577;
Pred. No. 1.86e+01;
O; Mismatches O; Indels
  Query Match
Best Local Similarity 100.0%;
Matches 16; Conservative
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DESULT 40

DESCOIL 40 standard: DNN: 2577 BP.

DESCOIL 40 standard: DNN: 1270 standard: DESCOIL 40 standard: DNN: 1270 sta

NOTORION 1998 (Intart entry)

NOTORION 1998 (Intert entry)

PSDB PS0014...

striction protein derive, from Eineria species - useful as sections and for raising specific monoclonal antibodies for raising specific monoclonal antibodies and is spp. English.

be inventors claim a new purified antigento protein (see PS0014),

RESULT 42

DO 00714 standard; DNA; 2618 BP.

DO 00714 standard; DNA; 2618 BP; 2618 BP.

DO 00714 STANDARD; DNA; 2618 BP; 2618 BP

IIT 43
02654 standard; CDNA; 2686 BP.
026054;
14-DE-1920; (first entry)
14-060-1940 compilase from Aspergillus orytae.
18-8x koji; saccharification; starch; sugar; brewing; fermentation;

Tue Nov 17 08:55:26 1998

US-08-887-977-9.rng

Gaps Best Local Similarity 100.0%; Pred. No. 1.86e+01; Matches 16; Conservative 0; Mismatches 0; Indels 0;

Ouery Match Brillarity 1000 00 Pred. No. 1864-01, Idength 2638; Best Local Similarity 1000 00; Pred. No. 1864-01, Manaches 16; Conservative 0; Mismatches 0; Indels 0;

Aspergillus oryzae. J04148683-A. 21-MAY-1992.

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1.4%; Score 16; DB 40; Length 2638;

Query Match

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PP 09-007-1990; 359116.

PR 07-1990; 75-1991.

PR (2007-1990) FORTING MEMBERS OF MEMBERS

Ouery Match 1.44; Score 16; DB 4; Length 2686; Best Local Similarity 100.09; Pred. No. 1.86e-01; Matches 16; Conservative 0; Mixmatches 0; Indels

ILT 44
NB1657 standard; DNA; 2720 BP.
NB1657, 270V-1909 (first entry)
OS-NOV-1909 (first entry)
VIRAL vector; gallinaceous birds; herpesvirus; turkey; Marek's disease; polity; PRT; ss.
PEPEPS virus of turkeys, strain PC126.

Introducing foreign genes into gallinaceuos birds - using viral vector prepd. by inserting gene into virus used as vaccine, against Marek's 21-6AR-1988; U00986. 19-6AR-1988; U00986. 19-6AR-1987; US-027724. (SYNE-) Symergen, Inc. Martin S, Bandyopadhyay P; WPI: 88-285542/40.

Disclosure; p. English. This region of the NTV genome was chosen for insertion of foreign genes alone it is nomeasential for virus growth. The NTV is then

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Query Match
1.4%, Score 16; DB 3; Length 2577;
Per Local Similarity 100.0%, Pred. No. 1.866-0;
Matches 16; Conservative 0; Mismatches 0; Indala 0; Gaps

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US-08-887-977-9. Ing
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ö CC used as a viral vector to introduce the foreign gene, eg. "GOI" of into poultry, esp whickens: 80 Sequence 7700 BP: 713 A; 640 C; 584 G; 763 T; Score 16; DB 1; Length 2720; Pred. No. 1.86e+01; 0; Mismatches 0; Indels 0; Ouery Match Best Local Similarity 100.0%; Matches 16; Conservative

DO (1993) A standard: CDNA; 2738 DP.

DE MADE MODING: 1995 (first entry)
DE Human moilled CDNA; cutry)
DE Human moilled CDNA; cutry
DE Human moilled CDNA; cutry
NY 8 dignal transducer; sa

SH CON 8 DOOR 8 DOOR 1.2738
DE T. Cd3 (**Asg a **Asg a **

Query Match 1.44; Score 16; DB 14; Length 2738; Best Local Similarity 100; Os; Pred. No. 1.86e+0; Indels O; Gaps Matches 16; Conservative O; Mismatches 0, Gaps

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Db 1813 gtggtgatcacetttg 1828

US-08-887-977-9.rng

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RESULT 48

AC 020602 standard: CDNA; 8937 BP.
DE NATO 1997

NO 6-MAY-1992 (first entry)

ENT gene therapy.

RM 99 see therapy.

RM 99 see therapy.

RM 70 septens.

Tue Nov 17 08:55:26 1998

Ouery Match
144; Score 16; DB 15; Length 1980;
Best Local Similarity 100.04; Pred No. 1.86e+01;
Matches 16; Conservative 0; Mismatches 0; Gaps

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Location/Qualifiers 190..8646 /*tag= a

77 W09200397-A.
PD 9-24M-1992.
PD 9-24M-1992.
PD 9-24M-1992.
PD 9-24M-1992.
PD 9-24M-1992.
PD 9-25M-1996.
PD 9-

Page 67

(RRI) gene. The gene, its product, probes and antibodicat to its product can be used in hybridiantion and immunological seasys to screen for the presence of a normal or defective Mil gene or gene product. Functional assays to mesawer levels of gene function can also be used for disgonis or to monitor treatment. Patient thereapy through supplementation with the normal MI product which can be produced by recombinant techniques is also possible. In addition the disease may be cured on the product of the disease may be cured on the product of t

Query Match 114; Score 16; DB 3; Length 8937; Best Local Similarity 100.09; Pred No. 1.86+401, Methods No. 1.66+401, Indels 0; Mkrches 16; Conservative 0; Mismatches 0; Indels 0;

05-JUN-1997 (first entry)
Human neurofibroants (FRI) (FRI) (DDR).
Human neurofibroants (FRI) (FRI) (DDR).
FEGURATION: res-ANNY: pathway namenialist, GAP; near pli; generalization; res-Christion; resultation; resultation; resultation; resultation; resultation; resultation; resultation; resultation; resultation; defection; diagnosis; type 1: NRI; scomatic; matchion; manualization; defection; diagnosis; prognosis; defective; treatment; see a prognosis; defective; treatment; defective; defe /*tag= a /product= neurofibromin NEGUTE 49

To 165211 standard; CDRN; 10706 BP.

TO 165211 standard; TRN; TRN;

TO 165211 standard; TRN; TRN;

TO 165211 standard; TRN;

TO 165211 standard; TRN;

TO 165211 standard; TRN;

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The Market of th

Page 66

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172 GIGGIGATCACCTITG 187

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.77 (6) 003818 standard; DRN; 3505 BP. 003818;

We Marek's disease virus.

We Marek's disease virus why: Rerpes virus of turkeys;

W Marek's disease virus.

W Marek's disease virus.

W Marek's disease virus.

W WOODORD3.A.

PD 22-MRN.1990.

PD 22-MRN.1990.

PD 21-MRN.1990.

viries or curreys 15. 146-22; Illipp; English: Disclosure 754 146-22; Illipp; English: provide in part as the provide may be used as antipules to provide in part as the providering against Illiv, Mov and NYT. Section 255

Query Match 1.44; Score 16; DB 1; Length 3505; Best Local Similarity 100.0%; Pref. No. 1864-01. No. Marches 16; Conservative 0; Mismatches 0; Indels 0;

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RESOUR TO 1988 standard, DRN, 3880 BP.

AT 703888 standard, DRN, 3880 BP.

AT 703888 standard, DRN, 3880 BP.

BE HAND STANDER STANDER

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US-08-887-977-9. rng

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US-08-887-977-9.zng

Page 70

Tue Kov 17 08:55:26 1998 Page 69

US-08-887-977-9. zng

Tue Nov 17 08:55:26 1991

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Query Match Bendiarity 100 (0) Pendia 15; DB 40; Length 35100; DB Best Local Similarity 100 (0); Pendia 16; Conservative (); Atmanatche (0); Indels (); Gaps

RESULT 55

ID 75880 standard, DNA, 580073 BP.

ID 758810 standard, DNA, 580073 BP.

ID 77882 standard, DNA, 580073 BP.

IN 77882 standard, DNA, 580073 BP.

IN 897041241 DNA, 580073 BP.

IN 897041241 DNA, 580073 BP.

IN 897041241 DNA, 580074

IN 897041 DNA, 580074

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Query Match
1.4%, 9core 16; DB 17; Length 29544;
Best Local Similarity 10:0%, Pred. No. 1.86e+01;
Marches 16; Conservative 0; Mismatches 0; Indels 0: Gaps

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RESULT 51

VO0441 standard; DNA; 33100 BP.

NO 700441 standard; DNA; 33100 BP.

En voor 1988 (first entry)

En voo

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US-08-887-977-9. xmg

Tue Nov 17 08:55:26 1990

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Why: 91-19321/25, the present of a great of a particular particula
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An OSSISS: standard; DNN; 12 BP.

An OSSISS: standard; DNN; 12 BP.

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Nutragenic primer; FCR; lartate dehydrogenase gene - for primer; Sq. of St. ONG. ONG.

Nutragenic primer; PCR; lartate dehydrogenase gene - for primer; Sq. of St. ONG.

Nutragenic primer; Sq. of St. ONG.

Primer; Sq. ong. ONG.

CCC The initiation coden of the LDR gene of Lactobacillus casel is GTG.

CCC The initiation coden of the LDR gene of Lactobacillus casel is GTG.

CCC The initiation coden of the LDR gene of Lactobacillus casel is GTG.

CCC The initiation coden of the LDR gene of Lactobacillus casel is GTG.

CCC The initiation coden of the LDR gene of Lactobacillus casel is GTG.

CCC The initiation coden of the LDR gene uning Primer; I and Primer;

CCC amplification of a frequent of the gene uning Primer;

CCC amplification of a frequent of the gene uning Primer;

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                    US-08-887-977-9.zng
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shooded protein shows 26.51 percentage
identity to apermidine/puterseine transport
gystem permease protein (pott) from E. coll*
53166.532
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ID 012343 standard; DNA, 21 BP.

AC 012343.591 (first entry)

DE 5 Primer P1 for detecting WILV-II.

W human T cell lymphotrophic virus; polymerase chain reaction; ss.

SS STATHERIC.

PN 1091083018-143301.

PR 50-NOV-1399; US-443301.

PR 60-ARR-1200-1399; US-543201.

PR 70-UL-1399; US-543201.

PR FURANCAL REMERIC E.

PI FROMERIA REMERICE REMERICE.
                                                                                                                                                                                 //organ "previously identified as WORF-20100, the emooded protein abova 15.90 per central control of the identity to 3/percent uptake facilitator (sipp) from B subtilia" (sipp) from B subtilia facility to thymidylate Kinase (tdk) from B subtilia" (sipp) from B subtilia"
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     US-08-887-977-9. rng
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Page 74

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US-08-887-977-9.xmg

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13. NOV-1995 (first entry)
12. 13. NOV-1995 (first entry)
12. 13. NOV-1995 (first entry)
13. NOV-1995 (first entry)
14. Describencein flavour MC33) plasmid prop) and prop?
15. Describencein flavour MC33) plasmid prop) and primer 2: ss.
15. STRICKHETHER.
16. STRICK
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0; Gaps Query Match
1.3%, Score 14; DB 15; Length 24;
Best Local Similarity 100;03; Pred. 80: 3.478-40;
Matches 14; Conservative 0; Minarches 0; Indels

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CC sequence provides high detection sensitivity and specificity. The CC probe may be optionally labelied with blotin and used in methods to CC quantitate the amount of DWA in a sample. See Q62532-51.

Query Match 1134; Score 14; DB 11; Length 40; Best Local Similarity 100:09; Pred. No. 3.47-00; Best Local Similarity 100:09; Or Minnatches 0; Indela Minnatches 0; Indela

Page 79

DE 70713 95 (Little chity)

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C C 70712 9 mu disease; chity chit

Page 77

other 8 creat an ShoI site 5' to the start codon. Primer 2 is complementary to an intennal part of the coding region couty, a paint liste which is present in the egne teed!? These 2 primers permit the amplification of a 315 base fragment.

Caps Query Match 1.13; Score 14; DB 9; Length 22; Best Local Smilarity 100; 01; Pred. No. 3476+02; A776+02; Mitches 14; Conservative 0; Mamatches 0; Indels 0; នួននួន

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MESTIC 55

TO 080041, 19195 (first entry)

DE Previdential flavum plasmid prop 1 PCR primer 2.

TO 080041, 19195 (first entry)

DE Previdential flavum; plasmid prop 1 PCR primer 2.

TO 080041, 19195 (first entry)

DE Previdential flavum; plasmid prop 11, corymeform batteria;

TM Previdential flavum; plasmid prop 11, corymeform batteria;

TM Previdential flavum; plasmid production; PCR primer 2; ss.

MESTIC 1919 11915

MESTIC 19

Owery Match 5 initarity 100 04: Pecul No. 28 15; Length 24; Bast Local Similarity 100 04; Pecul No. 28 49402; Managers 14; Conservative 0; Managers 14; Conservative 0; Managers 16; Conservative 0; Managers 18; Conservative 0; Conservative 0

RESULT 56 ID Q83217 standard; DNA; 24 BP AC Q83217;

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US-08-887-977-9.zmg

This primer is used to synthesise the 3' end of the human col III gene
by PRR amplification. This is used in the construction of recombinant
concerns containing collagen genes. A novel method for producing a
proposition polypeptide compress culturaling a host real; where the bost
cent has been infected. It ransferred or transformed with a first
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Score 15; DB 38; Length 38; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative

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US-08-887-977-9. Ing

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Polymerase chain reaction; PCR: primer; amplify; human; fibroblast; AIDS; mind and differential display; prom. RNN preparation is ensement cell; quiesent cell; dividing cell; sensement cell; generated display; prom. RNN preparation; sensement cell; management cell; generated display; prom. PND p
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1.34; Goore 14; DB 22; Length 78;
Best Local Similarity 100:04; Pred. No. 3476+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0;
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// Inde=""stop codon not given"

10.00-73993-A2.

PH CARE 1986: 10.0560

P
                                                                                                                                                                                                                                                                                                                              PRESULE 62

10 V00205 standard; cONN; 75 BP.

10 V00205 standard; cONN; 75 BP.

11 V00205 standard; cONN; 75 BP.

12 TANNER, 1999 (ifirst entry)

12 TANNER, 1999 (ifirst entry)

13 Calculated application of this post readoms to present to general entry of the control of the c
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Tue Nov 17 08:55:26 1998

Score 14; DB 24; Length 72; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0;

RESOUR 64

1D 062541 standard; DWA: 80 BP.

C 062541.

DT 06255-1994 (first entry)

D 019convictoride probe for repared sequence of D1Zt1 locus.

KM Probe; detection; repeat sequence; D1Zt1, locus; control region;

KM Probe; detection; repeat sequence; D1Zt1, locus; control region;

KN Probe; detection; repeat sequence; buman alpha satellite locus; mitochondria; ssi of synthetic.

Page 84

Page 81

US-08-887-977-9.xmg

Ouery Match
1.33; Score 15; DB 18; Length 48;
Best Local Similarity 100:08; Pred. No. 8.37e+01;
Matches 15; Conservative 0; Mismatches 0; Indels
Matches 15; Conservative 0; Mismatches 0; Indels

Ouery Match 1134; Score 14; DB 11; Length 60; Best Local Similarity 10:04; Pred. No. 3.470-40; Matches 14; Conservative O; Mismatches O; Indels O; Gaps 12 teagaaactacttt 25

941 TCAGAAACTACTTT 954

RESULT 61
123608 standard; DRA; 72 BP.
AC T38089; SPC-1996 (first entry)
DF Probe 05C3 isolated from fibroblasts.

Tue Nov 17 08:55:26 1998

Query Match 1.3%; Score 14; DB 37; Length 75; Best Local Similarity 100.0%; Pred. No. 3.47e-02; Matches 14; Conservative 0; Mismatches 0; Indela

RESULT 71496 standard; cDRN to mRNA; 78 BP. D. 714996 standard; cDRN to mRNA; 70 BP. At 07-809-11996 (first entry) DE Human gene signature HOMGGO7118.

US-08-887-977-9.xmg

PR 19-94959-A.
PP 19-94959-A.
PP 19-MG-1999, 102-91864.
PR 28-MG-1999; UG-91864.
PR 28-MG-1999; UG-91864.
PR 28-MG-1999; UG-91864.
PR 19-145679-B.
PR 28-MG-1999; UG-91864.
PR REPOLAGE R. Wallah PS 19-146579-B.
PR 28-145679-B.
PR 28-145679

Outery Match 1.39; Score 14: DB 11; Length 80; Best Local Similarity 100:04; Pred. No. 3.478+02. Matches 14; Conservative 0; Mismatches 0; Indels 0;

a Š DI 174568 standard; cDRN to mRNN; 80 BP.

AC 174568 standard; cDRN to mRNN; 80 BP.

B. 57-52P-1996 (Litter entry)

B. 67-52P-1996 (Litter entry)

R. 67-61 standard; cDRNSOSGAB.

K. 67-61 standard; cDRNSOSGAB.

K. 67-61 standard; cDRNSOSGAB.

K. 67-61 standard; call function; sa.

K. 67-61 standard; call function; by preparing cDN, that reflects relative abundance of corresp. mRN, in specific human contains a standard DNA (or its complementary strand or the corresp.

A single-stranded DNA (or its complementary strand or the corresp.

Anther specific cDNA or genomic sequences can be used to identify and the state of the state of

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US-08-887-977-9.xmg

Tue Nov 17 08:55:26 1998

Query Match 1.34; Score 14; DB 10; Length 95; Deset Local Similarity 100:09; Pered. No. 34 Pe+02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

g ò

502.2 Standard; DNA; 100 BP.

05242 standard; DNA; 100 BP.
05242-1994 (first entry)
01590nucleotide probe for repeated sequence of D1721 locus.
0160nucleotide probe for repeat sequence D1721 locus.
0160nucleotide decetion; repeat sequence D1721 locus.
0160nucleotide decetion; repeat sequence D1721 locus.
0173459-3.

of year 1941;195(1) sobbe for detecting human DNA having adjoint continuous for the man sigh mattalite locus or a construct detection the mitochondrial genome constructed sequence. The mitochondrial genome claim is, page 18, 27pp; Empiliah genome claim is, page 18, 27pp; Empiliah genome claim in the 2.7 kilohase DIZL locus, a highly repetitive sequence. The use of probes complementary to a highly repetitive sequence. The use of sequence provided high detection sensitivity and specificity. The section special and used in sethods to quantitate the amount of DNA in a sample. See Q6537-51.

04-MX-1994. 19-MG-1993; 113261. 28-MG-1993; 103-938084. (HOFF: P. HOFFMANN LA. ROCHE & CO AG F. Reprodua RL. Wallah PS; WPI; 94-145673/18.

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double-stranded DRN, which comprises one of the 7837 'GS' sequences of the 1710's and which is able to pipulite to part of huan spound DNN, CDN or MRN is claimed. The GR offs Signature) conceptual to the confidence were obtained from 3'-directed GNN inharies propared from value huan species, sprinces of the confidence of migrate to a particular man species has a cultimated equence is unique to a particular man species. Almost cultimated equence is unique to a particular man species. Almost cultimated equence is unique to a particular man species. Almost cultimated equence is the confidence of the contract of the contract of the confidence of different mans and experience of different mans and experience of different man species. Almost cultimated deep fragment proper derived from the GN determined of the confidence of the confid
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A 72351; standard; cDNN to mRNA, 110 BP.

DY 67705-1996 (first entry)

R Gene adjanture HENGS0034.

R Mann (1996); PF 35504.

PR 11-RDW-1993; PF 3
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Discourage the standard; cDNA; 95 BP.

Discourage the standard; cDNA; 95 BP.

Discourage the standard; cDNA; class the standard; class the standard cla
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        US-08-887-977-9.xng
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Page 85
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US-08-887-977-9. ING
                                                                                                          Best Local Similarity 100.0%; Pred, No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0; Indels 0;
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Saps

D 71495 standard; cDNA to mRNA; 115 BP.

AD 71495 standard; cDNA to mRNA; 115 BP.

D 71495 standard; cDNA to mRNA; 115 BP.

End 71495 standard; cDNA to mRNA; 115 BP.

End 71495 standard; cDNA to mRNA; 115 BP.

End 71495 standard; cDNA to mRNA; claim the abundance; frequency; RN dem signature HUGGO6637.

End 71496 standard; cDNA to make dilbrary; diagnosis; detection; RN deman; cloning mapping non biased library; diagnosis; detection; RN deman; cDNA 10116.

PR 11-800-1993; JP-155504.

AD 11-800-1993; JP-155504.

AD 11-800-1994; JP-155504.

AD 11-800-1994; JP-155504.

AD 11-800-1994; JP-15504.

CC And Angood Selection of the CD 1994; JB-1504.

CC And Angood Selection of the CD 1994; JB-1504.

CC The appearance frequency of a given of a m cDMA JIRENY con be conceptually and alfarent cell 115 BP: 18 A; 115 C; 19 G; 37 T;

SO Sequence 115 BP: 18 A; 115 C; 19 G; 77 T;

Ocery Match Similarity 100 (9) February 1115, Dest Local Similarity 100 (9) February 150 (1) February 151 Conservative 0; Minantches 0; Indels 0; Gaps

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Tue Nov 17 08:55:26 1998

US-08-887-977-9. ING

Q39822 standard; DNA; 118 BP.

1D 039222 standard; DNA; 118 BP.

50 200-MX-1993 (first entry)

51 200-MX-1993 (first entry)

52 Expressed Sequence tog, human gene marker ESTO0161.

53 Fortcher (astion); FOR Mapping somatic cell hybrids;

54 Fortcher (astion); FOR Mapping somatic cell hybrids;

55 Fortcher (astion); FOR Mapping somatic cell hybrids;

56 Fortcher (astion); FOR Mapping somatic cell hybrids;

57 FOR STANDARD (astion); FOR Mapping somatic cell hybrids;

58 FOR (astion); FOR STANDARD (astion); FOR Mapping somatic cell hybrids;

59 FOR (astion); FOR (astion); FOR Mapping somatic cell somatic

Query Match 1.3%; Score 15; DB 6; Length 118; Best Local Smilarity 100;0%; Pred. No. 8.37e+01; Matches 15; Conservative 0; Minmatches 0; Indels Matches 15; Conservative 0; Minmatches 0; Indels

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Tue Nov 17 08:55:26 1998 Page 91

US-08-887-977-9. ING

PR 12-PF2-1992; US-837195.

PA (USSE) US DET MEALINE BURAN SEXVICE.

PR (USSE) US DET MEALINE SEX.

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Query Match
1.39; Score 15; DB 8; Length 118;
Best Local Similarity 100.09; Pre-6, Ro. 873-6-01;
Matches 15; Conservative 0; Mismatches 0; Indels 0;

셤 ç, D 707131.99 (first entry)

D 707131.99 (first entry)

D 107131.99 (first entry)

D 107131.99 (first entry)

E 107131.99 (first entry)

M 207131.99 (first entry)

M 20713287.A1

PP 24-MAY 1995; UG761.

PR 24-MAY 1996; UG-2460.6

PR 24-MAY 1996; UG-24

Page 92

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RESOUR 70

10 034155 standard; DNA; IIT BD.

10 03455.93

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Query Match
1.3%; Score 14; DB 5; Length 117;
Best Local Smilarity 100.0%; Pred. No. 3.474-02;
Matches 14; Conservative 0; Mismatches 0; Indels

RESULT 71

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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

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Length 130;
Query Match
1.3%; Score 14; DB 11; Length 130;
Best Local Similarity 100.0%; Pred. No. 3.47e-02;
Matches 14; Conservative 0; Mismatches 0; Indels
Matches 14; Conservative 0; Mismatches 0; Indels
```

mis sequence represents the CDNs encoding bories epithalial lingual unthalcropial, poptide. (LAP). LDP is a member of the beta-defeating group for the defeatin family of peptides. LDP has bond spectrum antisationabla scrivity, sequence from yopitides and forms negative bacterist, and fungal happopers. LDP is present to low levels in manualian epithalia, with happopers in the species of the control of the second of descripting injury/infection. This sequence can be used in a method, addistrighting injury. The species of LaP. In this method, epithalial cells are chultured in the presence of a test substance. The levels of LAP mann action is no way of the species of the plant and the measured to defearing whether the substance is an up-regulator. The is used to treat microbial infections of the epithalium (or of those that stand to deeper issues) e.g. in Immunodeficiant extee (AlDS), systic forms, our disease, sounds, principle of the second presence of the species.

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Query Match 11.3%; Score 15; DB 18; Length 127; Best Local Similarity 100.0%; Pred No. 8.79+0; Indela 0; Gaps Marche 15; Conservative 0; Mismatches 0. Indela 0; Gaps

Websi3287-A.

Websi3287-A.

10-NOV-1995.

10-NOV-1996.

10 NESULT 75

TO 70114; standard; cDRN; 133 BP.

D 70114; 1956 (iffart entry)

E 50707:1956 (iffart entry)

E 50707:1957 (iffart entry)

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US-08-887-977-9. zng

Ouery Match

1.3%; Score 15; DS 18; Length 133;
Best Local Similarity 100:04; Pred. No. 9179+01;
Machine 15; Conservative 0; Manantches 0; Indels 0;

27 C; 38 G; 28 T;

SQ Sequence 133 BP; 40 A;

Tue Nov 17 08:55:26 1998

RESULT 76

10 (33113) standard; DNA, 152 BP.

AC (33113) standard; AC (33112) standard;

AC (33113) standard;

etc.

Claim 47; Page 79; 133pp; English.

The sequences given in 031312-14 extragements of the interceillular adhesion molecule-3 (ICM-3) gene. ICMM-3 is involved in the process by which pepulations of Leukooyres recognise and adher to cellular substrates. ICMM-3 mediates ocillular interactions with other lymphocyres. macrophages and neutrophile at the site of inflammation sequence. 153 BP; 76 A).

39 C; 30 C; 18 T;

Query Match 1.3%; Score 14; DB 6; Length 152; Best Local Similarity 100.0%; Pred. No. 3.47e-02; Matches 14; Conservative 0; Mismatches 0; Indels

Query Match 13%; Score 14; DB 5; Length 164; Best Local Similarity 100:04; Pred. Ro. 3.476-02; Matches 14; Conservative 0; Minmatches 0; Indels Matches 14; Conservative 0; Minmatches 0; Indels

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RESGUZ 78 ID Q97385 standard; DRA; 167 BP. AC Q97385; DT Q1-APR-1996 (first entry)

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US-08-887-977-9.xng

US-08-887-977-9.rng

steroid 5-alpha reductase cDRA recombinant fragment.
The reductace, estual development; differentiation;
Annual, inhibit; prostatic hyperplasia; acne; hirautiam;
baldness; endometriosis; prostate cancer; restoererore.

probe; recombinant; inhibi male pattern baldness; end dihydroxytestosterone; ss. Homo sapiens.

Ouery Match 13%; Score 14; DB 17; Length 167; Description 167; Description 167; Description 14; Descriptive 0; Minmatches 0; Indels 0; Gaps Matches 14; Conservative 0; Minmatches 0

Length 167;

RESULT 79

TO N1334 standard: DNA: 171 BP.

TO N1334 standard: NNA: 171 BP.

TO NNA: 171 BP.

TO NNA: 171 BP.

TO NNA: 171 BP.

TO N1334 standard: NNA: 171 BP.

TO N

19-FEB-1986; 034146. 19-FEB-1986; JP-034146. (NICH-) Michirel KK.

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Tue Nov 17 08:55:26 1998

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Meman spenture WINGSO0739.

When sagnature insersoper XMA, MRMA, relative abundance; frequency;
We come adgrature insersoper XMA, MRMA, relative abundance; frequency;
When sagnature; messenger XMA, MRMA, relative abundance; frequency;
When sagnature; messenger XMA, MRMA, relative abundance; frequency;
When SMASSON SM
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ID N71312 standard; DNN; I71 BP.

N7132 standard; DNN; I71 BP.

DE (FEB-1991 (first entry)

NN probe leas cell; RL-60; K-562; polymorphism;

NN STRISSIOGA.

NN RTGH-780512.

NN NGH-780512.

NN PROPE CAS assaying individual genetic identity - obtained from relax cell DNN, RL-60 cell DNN.

NN prope for assaying individual genetic identity - obtained from relax cell DNN, RL-60 cell DN
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RESULT 83
D 061339 standard; DNN; 216 BP.
D 061339 (first entry)
DT 16*MNX-1394 (first entry)
DT MAR-1394 (first entry)
DT Marb 1395
DT Man brain Expressed Sequence Tag EST01339.
FM Gene transcription product; genetic markers; tagging; in vivo;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match 1.3%; Score 14; DB 1; Length 171; Best Local Similarity 100(0%; Pred Rec. 1476+02). Matches 14; Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match 1.3%; Score 14; DB 1; Length 171; Best Local Similarity 100 (%; Pred. Ro. 2, 474-02) Matches 14; Conservative 0; Himmatches 0; Indels 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tue Nov 17 08:55:26 1998
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                                                                                                                                                                                                                                                                  M 1656.22026.1.

PR 1658.22026.1.

PR 1658.22026.2.

PR 1658.22026.2.

PR 1658.22026.2.

PR 1658.22026.2.

PR 1658.2026.2.

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No. 172903 standard: GDNs to mRNA, 175 BP.

21-077-1996 (first entry)

22-077-1996 (first entry)

23-077-1996 (first entry)

24-077-1996 (first entry)

25-077-1996 (first e
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Score 14; DB 22; Length 175; Pred. No. 3.47e+02; 0; Mismatches 1; Indels 0;

Query Match Best Local Similarity '93.34; Matches 14; Conservative

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RESULT 82 ID T19669 standard; cDNA to mRNA; 179 BP AC T19669;

UB-08-887-977-9. rng

Page 101

US-08-887-977-9.zmg

Nov 17 08:55:26 1998

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for diagnosis of abnormal cell function, by preparing cDNA that reflects relative abundance of corresp. mRNA in specific human
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Claim 1: Page 1522, 2245pp; Japanese.

A single-stranded DNA, Ort the complementary strand or the corresp.

A single-stranded DNA, which comprises one of the 7833 'Gs' sequences of double-stranded DNA, which comprises one of the 7833 'Gs' sequences of double-stranded DNA, which comprises one of the 7833 'Gs' sequences of double-stranded DNA, which comprises one of the 7833 'Gs' sequences of the 7843 'Gs' sequences of the 7843 'Gs' sequences of many and or all blanch of the 7843 'Gs' sequences of many by using poly17 as the sole primers: Since the 3-cent of many by using poly17 as the sole primers: Since the 3-cent of many by using poly17 as the sole primer. Since the 3-cent of many with the sole primer since the 3-cent of many with the sole primer and sole since and the 3-cent of the sole of the sol 88888888888888888888888888888888

Reconstriction; mapping; locations; chromosomes; chromosomal; ss. 18 mon316,354.

19 Mo316,354.

19 Mo316,354.

19 Mo316,354.

19 Most 19 Most

Query Match 1.3%; Score 14; DB 20; Length 230; Best Local 2, 1/74-02; Prof. No. 3, 1/74-

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Ouery Match
1.3%, Score 14; DB 8; Length 216;
Best Local Similarity 10:0%, Pred. No. 3.478-0;
Matches 14; Conservative 0; Mismatches 0; Gaps

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Tue Nov 17 08:55:26 1998

US-08-887-977-9.rng

Page 104

from various human tissues; synthesis of CDNs was initiated from the 17-end of EDNs by using poly(71 set the color parts) there the 31-end untramisted expenses indicated the poly(71 set the color parts) there is all the 12-end expenses indicated to the color parts of the profits and the parts of the profits and the parts of the

888888888888

Query Match
1.39, Score 14; DB 15; Length 249;
Bert Local Similarity 100:09, Pred. No. 3.47e-04.
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

D 723481 standard; CDNN to mRNA; 257 BP.

AC 723481 standard; CDNN to mRNA; 257 BP.

D 723481 standard; CDNN to mRNA; Talative abundance; frequency; MR Gene adgature; measureger TRA, mRNA; relative abundance; frequency; MR Gene adgature; measureger TRA, mRNA; relative abundance; frequency; MR Gene adgature; mapping; non'bisated library; disquests; detection; MR GRAS, MRNA; MRNA; MR GRAS, MR

103

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The inclumant of the property of the property

#8888888888888888

Query Match 1.3%; Score 14; DB 29; Length 236; Best Local Similarity 100;04; Pred No. 3476+02; Affector Matches 14; Conservative 0; Mismatches 0; Indels 0;

US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

RESULT 84

No. 174068 estendard; cDNA to mRNA; 230 BP.

No. 174068 estendard; cDNA to mRNA; 230 BP.

DE Haman gene signature HEMSSOGS3.

Gene signature: messenger RNA, mRNA; relative abundance; frequency; RNA human; cloning; mapping; non-bissed library; diagnosis; detection; NRM human; cloning; mapping; non-bissed library; diagnosis; detection; NRM human; cloning; abnormal cell function; ss.

NRM cell typing; abnormal cell function; ss.

NRM CATTOR 1993; DO1916.

PR (NRMS) PS 1955504.

PR (NRMS) PS 1

DESCUIT. 86

Original Standard: CDNA to mRNA; 249 BP.

DE Human gene signature THORGOOD299.

E Human gene signature THORGOOD299.

KW human: cloning; mapping; non-biased library; diagnosis; detection; well typing; abnormal cell function; se.

Son Sons sapiens.

PH 01-100-1399; 101916.

PH 11-100-1399; 101916.

PH (MINO) 1399; 101916.

PH (MINO)

US-08-887-977-9. rng

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standard; cDNA to mRNA; 288 BP.

219 ttatcontttgatgt 233

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Page 106

US-08-887-977-9. xng

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all the 3'-oriented cDNNs hybridise with specific mRNNs. Each library or is constructed so as to reflect eccurately the relative abundance of different mRNs in the particular tissue from which it was derived. Of different mRNs in the particular tissue from the GDN in archive on be constructed from the GDN particular on the GDN expension of expension as means of disquessing abnormal cell from the GS captences as means of disquessing abnormal cell function or for recognishing different cell types.
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Query Match 1.35, Score 14; DB 20; Length 257, Best Local Similarity 100.00; Pred. No. 3.474-02, Matches 14; Conservative 0; Mismatches 0; Indels 0; Matches 14; Conservative 0; Mismatches 0, Indels 0; Matches 14; Conservative 0; Mismatches 0; Indels 0; Indels

e, 윱

AC 170388.

20 1-NOC-1996 (first entry)
DE Manna gene signature HROSO1803.

Gene algrature: messenger RNA inRNA, relative abundance; frequency;
RNA mann; closing; mapping; non-biased library; diagnosis; detection;
RNA (SAL) typica.

RNA (SAL

RESULT 88

LD 059897 standard; CDNA: 260 BP.

TO 1099897 standard; CDNA: 260 BP.

THE AREA STANDARD; CONTROL STANDARD; CANDONOSCOMAL; SS.

THE AREA STANDARD; CONTROL STANDARD; CDNA: 260 BP.

TO 209999 TO 109999; CDNA: 260 BP.

TO 209999 TO 20999; CDNA: 260 BP.

TO 20999 TO 20999; CDNA: 260 BP.

TO 209999 TO 20999; CDNA: 260 BP.

TO 20999 TO 20999 TO 20999; CDNA: 260 BP.

TO 20999 TO 20999; CDNA: 260 BP.

TO 20999 T

Ocery Match 1.3%; Score 14; DB 8; Length 260; Best Local Similarity 93.3%; Pref. No. 3.70+02; Matches 14; Conservative 0; Mismatches 1; Indels 0;

Gaps 0;

Tue Nov 17 08:55:26 1998

499 CTGACAGCCCCCAC 486 ę,

AC 725601.

Definition of the control of the contro DESCUZ.

DES

Query Match 1.13: Score 14: DB 20; Length 193; Best Local Similarity 100:04; Pred. No. 3478+02; A774+02; Matches 14; Conservative 0; Manatches 0; Indels 0;

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US-08-887-977-9.rmg

Tue Nov 17 08:55:26 1998 Page 107

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Gaps

Query Match 1.3%; Score 14; DB 19; Length 188; Best Local Smillarity 100.0%; Pred. No. 3476+02; Marches 14; Conservative 0; Manatches 0; Indels 0;

163 ctgacagcccccac 176

Page 108

US-08-887-977-9. IN

standard; DNA; 293 BP.

AC 11-NOV-1997 (first entry)
DE Potaco starch baroching engine engineering:
Farangenic plant; starch production; modification; as.
Schaum tubercoun.
NW stanspenic plant; starch production; modification; as.
Solanum tubercoun.
NW 90704112-A2.
OG-PEB-1995. GB-01443.
NW 1-UVL-1995; GB-01443.
NW 1-UVL-1996; GB-01444.
NW 1-U

Query Match 1.3%; Score 14; DB 33 Best Local Similarity 100.0%; Pred. No. 3.47e+1. Matches 14; Conservative 0; Mismatches

RESULT.

AC 779773 standard; DNA; 293 BP.

AC 779773 standard; DNA; 293 BP.

AC 779773 standard; DNA; 293 BP.

BC Potato starch branching eneryme some intron 8.

BC Potato starch branching eneryme; SBE; potato; genetic enginearing; MX transpenic plant; starch production; modification; sa. NS Solanum tuberosum.

PN W09704113-42.

PN W09704113-42.

PN 12-JUL-1996; E03053.

US-08-887-977-9. rng

109

Page

14-JUL-1995; GB-014437. (DANI-) DANISCO AS.

Tue Nov 17 08:55:26 1998

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This policy. The properties a confidence that codes and the clinian is also as 16-11, 4799; English.

Confidence that codes are confidence that codes for this polyunderies a coding sequence that codes for thus marchylage-desived monocyte chemoteric protein. 5 (MEP-5)

Confidence 5, and 3' non-coding sequence, is provided in 19083.

Confidence 5, and 3' non-coding sequence, is provided in 19083.

Confidence 5, and 3' non-coding sequence, is provided in 19083.

Confidence 5, and 3' non-coding sequence, bitch compared to many prince amplification using princes (Ger 19083-12) based on an EST configence for the factor of the MEP-1 confidence for confidence for the MEP-1 confidence for the MEP
P-PSDB; W30191.
Polymuclectide encoding monocyte chemotactic protein-5 - useful in treatment of e.g. inflammation, atherosclerosis, angiogenesis and
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Proclem Proclem Proclem 201251/12.

W PRIST 9712551/12.

W PRIST 9712551/12.

W PRIST 9712551/12.

W PRIST 9712551/12.

W PRIST 971251/12.

W PRIS

Query Match
1.34; Score 14; DB 33; Length 293;
Parel Local Similarity 100:04; Pred No. 3.474-07;
Matches 14; Conservative 0; Mismatchies 0; Gaps

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RESULT 93

A TOTAL PART OF THE PROPERTY OF THE

US-08-887-977-9.xmg

Tue Nov 17 08:55:26 1998

PR 23-ADG-1994; WG-009484.

PR (2529-1994; WG-009584.

ALGONA MINING GROWE GOI INC.

ALGONA MINING GROWE GOI INC.

PR (2520-1994) ALGONA GOI INC.

PR (2520-1994) ALGONA

PR (2520-1994) ALGONA

Query Match 1.3%; Score 14; DB 21; Length 297;
Best Local Similarity 100:3; Pred. No. 3.48-902;
Matches 14, Conservative 0; Mismatches 0; Gaps

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RESULT 95

In 195029 standard, CDNA; 397 8P.

In 195021 standard, CDNA; 397 8P.

In 19502 s

11 Page

Tue Nov 17 08:55:26 1990

US-08-887-977-9.xmg

Query Match
1.3; Score 14; DB 39; Length 197;
Best Local Similarity 100:09; Pred. No. 3.474-04;
Matches 14; Conservative 0; Mimmatches 0; Indels

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Addams N. Alderson R. Applebaum E. Li H. Li Y. Lima SH. Addams N. Alderson R. Applebaum E. Li H. Li Y. Lima SH. Addams N. Alderson R. Applebaum E. Li H. Li Y. Lima SH. Addams N. Alderson R. Applebaum E. Li H. Li Y. Lima SH. Addams N. Alderson R. Applebaum E. Li H. Li Y. Lima SH. Alderson R. Alderson R. Applebaum E. Li R. Li R. Sh. Alderson R. Alderson R. Sh. Alderson R. Sh. Alderson R. Sh. Alderson R. Sh. Alderson R. R. R. R. R. R. R.

Query Match 13%; Score 14; DB 37; Length 297; Best Local Similarity 100:0%; Pred. No. 3.47-6-02; Aktohes 4; Conservative 0; Mismatches 0; Indels 0: Gaps

g g WATE, MATSUBARA K.

MATSUBARA CONTROL OF MATSUBARA K.

PT Identifying gene as aignatures in 3'-directed human CDMA library - e.g.

PT Identifying gene as aignatures in 3'-directed human CDMA that

Talsubara carriaded band not compressed to the corresp.

A sinch atranded DNA (or its complementary strand or the corresp.

Conditional DNA) which comprises one of the 7817 'GGS and under sylven in 179001-176837 and which is able to hybridise to part of them seconds DNA, CDM or man at a Glene Signature)

CONTROL OF MATSUBARA CONTROL OF

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Page 114
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                                                                                                                                                       markers for human genes transcribed in-vivo, facilitate tagging of more than 19 and 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ILT 100
043746 stundard; CDRN, 330 BP.
043746 stundard; CDRN, 330 BP.
27-5EP-1933 (first entry)
27-5EP-1933 (first entry)
17-5EP 1933 (first entry)
17-5EP 1933 (first entry)
17-5EP 1933 (first entry)
18-5EP 1933 (first entry)
18-5EP 
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DESCRIPT 98

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DESCRIPT 994

DESCR
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      US-08-887-977-9.rng
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.3%; Score 14; DB 8; Length 311; Best Local Similarity 100; We Pred. No. 3.478-02; Destroches 14; Concervative 0; Minarches 0; Indela
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Page 113
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ó; Indels O;

Length 327;

Score 14; DB 11; Pred. No. 3.47e+02; 0; Mismatches 0

Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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tagging; in vivo;

insury of Standard; DRA; 311 BP.

(S6112) standard; DRA; Service for SFF01156; Service for SFF01156; Service for standard; Service for standard; Service for service for transcription; mapping; locations; chromosomes; chromosomes; chromosomes; chromosomes; chromosomes; chromosomes; chromosomes; chromosomes; chromosomes; preparation; service for service

Owery Match
1.3%; Score 14; DB 20; Length 307;
Best Local Similarity 100:0%; Pred. No. 3476+02;
Makethes 14; Conservative 0; Mismatches 0; Indels 0;

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Query Match 139; Score 14; DB 21; Length 330; Best Local Similarity 93.38; Pred No. 3.476+02. Matches 14; Conservative 0; Mismatches 1; Indels 0; Matches 14; Conservative 14; Conservative 15; Matches 15; Conservative 16; Mismatches 15; Conservative 17; Conservative 17; Conservative 18; Conservative 18; Conservative 19; Conserva

Query Match 1.3%; Score 14; DB 7; Length 330; Best Local Similarity 100.0%; Pred. No. 3.47e-02; Matches 14; Conservative 0; Mismatches 0; Indels Matches 14; Conservative 0; Mismatches 0; Indels

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Tue Hov 17 08:55:26 1998
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0; Mismatches 0; Indels 0;
Matches 14; Conservative
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NESCUT. 103
NOTICE standard; DNA; 337 BP.

DE Human sproce fragment (foreferred).

Eleman sproce fragment (foreferred).

Eleman sproce fragment (foreferred).

Entil placenta; bone marrow genetic analysis; gene mapping; Mar detection; hemology; human; adrenal tissue; ds.

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Entil placenta; done marrow genetic analysis and marrow foreign of the placenta; distance in the placenta of the placenta of

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Omery Match 13%; Score 14; DB 11; Length 337; Best Local Smilarity 100;0%; Pred 16; S. 3.47-60; Indels 0; Gaps Marches 14; Conservative 0; Minmatches 0; Indels 0; Gaps

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Query Match 1.3%; Score 14; DB 19; Length 335; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

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RESOLT 103
TO TAGATS standard; CDRA to mRNA; 340 BP.
TO TAGAT: 1986 (first entry)
DE Mann gene edgenture EUNGS00917.
NG Gene asgenture messenger KNA; relative abundance; frequency;
NG Hamans; closing; mapping; non-blased library; diagnosis; detection;

Page 119

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Page 120

PR 08-WAY-1991; US-697326.

PA (CHIR) CRIMON CORP.

DR 1971 29-1986891 CORP.

DR 1972 29-1986891 CORP.

Teatact to Mr.-1 worker as non-hepatitis C virus-1 nucleotide sequence comparishing a non-hepatitis C virus-1 nucleotide sequence comparishing and as a vaccine of the corp.

Transcet to Mr.-1, useful for transing and detecting Mry-1 infections and as a vaccine of the corp.

Transcet to Mry-1 sequence which corresponds to a nucleotide of the sequence which corresponds to a nucleotide of the sequence which corp.

The sequence for the MRY-1 sequence which of the sequence of the proposition and the MRY-1 of sequence of the proposition nucleotide of the proposition nucleotide of the sequence of the transmission of mry genes a product of the proposition nucleotide of the sequence of the transmission of mry genes a produce and the transmission of mry genes a produce an end of the transmission of mry genes and the produce antibodies to detect the seture of the transmission of mry and to produce antibodies to detect the sequence 340 MP; 75 A; 97 C; 104 G; 64 T;

134, Score 15, De 5, Length 340, Best Local Smillarity 100,08, Pred No. 9.79-01, 10-01, Natches 15, Conservative 0; Mismatches 0, Indels 0; Gaps

Query Match
1.3%; Score 14; DB 22; Length 340;
Best Local Similarity 100.0%; Pred. No. 3.76+02;
Makethes 14; Conservative 0; Mismatches 0; Indels 0;

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RESULT 104
1D 07004 standard; DNA; 340 BP.
1D 07004 standard; DNA; 340 BP.
DY 24-MAR-1993 (first entry)
DF 8CV-1 genotype G11 NS5 region sequence n85gh6.
KW Hepstils C virus; non-A, non-B hepstils; NS5 region; ss.
PN 09212941-A.
PP 12-NOV-1992; U04036.

| RESULT 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 Location/Qualifiers
2..340
A-tags a
//ords endo amino acids 2645-2757 of the HCV NSSB protein*

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reflects relative abundance of corresp. mRNA in specific human tissues

US-08-887-977-9. rng

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Page 123
Hepatitis C virus poly:nucleic acid unique to unidentified sub:type or used to develop probes and primers for new sub:types and vaccines properent and treat infection.

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D. T75517 standard: CDNA to mRNA; 340 BP.

D. T75517 standard: CDNA to mRNA; 340 BP.

D. T75517

D. T5527.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
134, Score 15; DB 25, Length 340;
Best Local Similarity 10:04, Fred Ro. 8/376+01;
Matches 15, Conservative 0; Minmetches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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115-WOY-1996 U19567
10-WAY-1996 U5-59401
16-WOY-1995 U5-066839
(THOMY) TROMPONT
TROPESONT TROMPONT
TRY: 97-289397/26.
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Claim 1: Page 1639; 2245pp; Japanese.

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Coult-stranded DNA (or the comparements of the 7837 'GS' sequences

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human generic DNA, TANN or many as claimed. The GS (Gene Signature)

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TO GOORD Standard; CDNA; 342 BP.

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Lingual Lab College sequence settle set
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SQ Sequence 350 BP; 114 A; 80 C; 74 G; 82 T;
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Pred. No. 8.37e+01;
0; Mismatches 0; Indels 0;
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response to epithelial injury/infection. This sequence can be used in method of incentifying endogenous up-regulations of LAV. In this subdiage period of a large of LAV. The this method, epithelial colls are cultured in the presence of a test substance is the up-equal to the in measure to determine whether he substance is the regulation in the coll is used to treat alcrobial infections of the pithelium (or of those that extend to deeptr insered) e.g. in immunofficient extres (AIDS), cystic fibrosis, gum disease, wounds, sequence 350 Bp. 120 Ap. 72 C; 85 G; 73 T; 888888888

Ouery Match 13% Score 15; DB 18; Length 350; Bett Local Similarity 100:0% Pred. No. 8:376+01; Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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10-JUN-1932, ANU030.

10-JUN-1933, ANU030.

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COSSISS standard; DNA; 334 BP.

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Mismatches 0; ö Matches 14; Conservative

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/*tag= a /*tag= a /note= "encodes amino acids 134-249 of R34549"

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NOTE: **encodes amino acida 114-249 of 134549*
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Obery Match 1.3%; Score 14; DB 7; Length 359; Bast Local Smilarity 100.0%; Pred. Ro. 3.47e+02; Matches 14; Conservative 0; Mismatches 0; Indels Matches 14; Conservative 0; Mismatches 0; Indels

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Query Match 1.3%; Score 14; DB 17; Length 360; Best Local Similarity 100.0%; Pref Be: 3.78+02; 3.78+05; Marches 14; Conservative 0; Mismatches 0; Indels 0;

Page 126

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0; Indels 0; Query Match 1.1%; Score 15; DB 10; Seat Local Similarity 100.0%; Pred. No..8.37e+01; Matches 15; Conservative 0; Mismatches 0

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10 722890 exandard; cDNA to mRNA; 358 BP.

172280 mind gene sugnature MUGGS04614.

18-ANG-1956 (ittate entry)

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Query Match 1.3%; Score 14; DB 20; Length 358; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

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Page 129
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Page 130

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Q60260 standard; DNA; 387 BP. Q60260;
16-MAR-1994 (first entre)
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| Sept. | 1994 (first entry) | Human brain Expressed Sequence Tag E9702337. Gene transcription product: genetic markers; tagging; in vivo: transcription mapping; locations; chromosomes; chromosomes; chromosomes; chromosomes; espiens w93316178-A.

D 714199 standard: CDNA to mRNA: 378 BP.

AC 724159.

To 5287-1996 (fitzer entry)

EWAMA gene signature: mickSook183.

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PR 12-729-1931 (19134).

PR 12-729-1932 (19134).

Score 14; DB 8; Length 387; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Query Match 1.3%; Best Local Similarity 100.0%; Matches 14; Conservative

셤 g.

RESULT 116

AC 74339 standard; DNA; 396 BP.

AC 74339 standard; DNA; 396 BP.

T 16-7781-1998 (first entry)

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1..370 /*tag= a /note= "no stop codon given"

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Page 132

VWTR locus D18817 flanking regions.
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ö 0; Indels 0; Score 15; DB 2; Length 404; Pred. No. 8.37e+01; 0; Mismatches 0; Indels Query Match
1.3%;
Best Local Similarity 100.0%;
Matches 15; Conservative

TRESSULT 1880626 etandard; DNA: 413 BP.
AC M806256 etandard; DNA: 413 BP.
DT 080-0007-1990 (first entry)
DZ Bovine Bone Worphogenic Protein-3 in bp-819 detected by probe #2.

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Query Match
1.34; Score 14; DB 20; Length 378;
set Local Similarity 10:04; Pred. No. 3.479-02;
Matches 14; Conservative 0; Misanthes 0; Gaps

RESULT 115

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RESULT 117 D Q12006 standard; DNA; 404 BP. AC Q12906; DT 17-0CT-1991 (first entry)

Ouery Match 139; Score 14; DB 40; Length 396; Best Local Similarity 10:09; Pred No. 3,476-02; Indels 0; Gaps Matches 0; Indels 0; Gaps

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RESULT 122

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                                                                                     different mRNAs in the particular tissue from which it was derived. The appearance frequency of a given 65 in a cDNA library can be determined (esp. using primers and probes derived from the GS sequences) as a means of disponeing abnormal cell function or for recognising different cell types. 75 c. 101 G; 138 7;
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1274450 standard: CDNA to mRNA, 422 BP.

127450 standard: CDNA to mesenger RNA mRNA; relative abundance; frequency; NR muna: Clouding mepsings non-bilated library; diagnosis detection; NR mana: CDNA to meet 
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Page 1622; 2245pp; Japanese.

A single extranded DN (or its complementary strand or the corresp. double extranded DN (or its complementary strand or the corresp. double extranded DN, which comprises one of the 7817 '63' sequences given in Tisolor-T68817 and which is able to hybridate to part of human genomic DNA, cDNA or RRNA is claimed. The GS (Gene Signature) human ground to DNA, por RNNA is claimed. The GS (Gene Signature) as equences were obtained from 'victured CNDNA was initiated from the from which you want poly(7) as the sole primer. Since the 3' unitrandlated sequence is unique to a particular RNNA species, almost all the 3'-related CNDNA bybriddes with specific RNNA species, almost all the 1'-related CNDNA bybriddes with specific RNNA species, almost 1s constructed so as to reflect accurately the relative abundance of
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Matches 14; Conservative 0; Higmatches 0; Indels 0; Gaps
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Bone morphogenic protein; bBMP-1; probes; cartilage formation;
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55-RAR-1987; US-01346,

(GENE) Genetics Inst Inc.

WATNEY 88-02156/03.

P-PSDB; P81515.
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Best Local Similarity 100.0%; Pred 180: 3.47-42; Indels 0; Gaps
Matches 14; Conservative 0; Mismatchies 0; Indels 0; Gaps
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AC 093702.

Deficiency of titles entry)

Expressed Sequence tag; human gence marker EST00257.

Respressed Sequence tag; human gence marker EST00257.

Respressed Sequence tag; human gence project; chromosome;

Respressed Sequence tag; human gence marker ceal hybrida;

Respressed Sequence tag; human gence typing.

Subcellaration; gene tagging; tissue typing.

O7-1MN-1991.

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Respressed Sequence tags from human CDNA - corresponds

CG Town the ESTS Belle ADM-10118 from the SETS Bel DESCUZ. 139.

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Expressed Sequence tag human get build be considered to the constant of the constant

P. putida LMC 2312 168-235 :RNA spacer region.

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No specific, sa.

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North North North Secretion sary for the detection of capacition of capacition in the secretion of capacition in the secretion of capacition in the secretion and incompanion. These sequences very consist in this work of the invention for the detection and industriation of a tale invention for the detection and industriation of secretion and industriation of the probes of the probes of the secretion secretion in the secretion of capacition in the secretion of capacition in the secretion and industriation of the probes of the secretion of capacition in the secretion of the probes of the secretion of capacition in the secretion of the probes of

Query Match 1.39; Score 15; DB 6; Length 446; Best Local Similarity 100:09; Pred. No. 98.78+01. Hearthes 15; Conservative 0; Marantches 0; Indels 0;

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RESULT 124 ID T11846; Standard; DNA; 468 BP. AC T11846; DT 03-SEP-1996 (first entry)

Tue Nov 17 08:55:26 1998

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US-08-887-977-9. ING

PR 908626268-A1 /numbers 9
PR 908626268-A1 /numbers 9
PR 21-FEB-1095: 1002420.
PR 20-FEB-1095: 1002420.
PR 30-FEB-1095: 1

Ouery Match 1.3%: Score 15, DB 28, Length 494; Best Local Similarity 100.0%; Pred No. 8.79-60; On Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0 Indels 0; Gaps

1..72
h*teg
h/mubor* 8
//mubor* 8
/3..34
/*teg
//mubor* fragment of intron 8*
/*teg
//mubor* 6

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RESULT 126 ID Q14952 standard; DNA: 539 BP. AC Q14952;

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US-08-887-977-9.rng

MESULT 135

D 759815 standard; DNA, 494 BP.

D 759815 standard; DNA, 494 BP.

D 72-AR-1997 (first entry)

D 864-osselin gene frequent 47.

RN Beta-osselin gene frequent antithrombin; factor XII; factor

Query Match 1134, Score 14, DB 21; Length 468; Best Local Similarity 100:04, Pref. No. 13-04-02; Onserwative 0; Mismatches 0; Indels 0; Gaps

Query Match 1.39; Score 14; DB 3; Length 539; Beet Local Similarity 100.04; Pred. No. 3.76+02; Maktches 14: Conservative 0; Mismatches 0; Indels 0;

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PRESULT 117
1D 055054 standard; DNA; 546 BP.
AC 055054 arandard; DNA; 546 BP.
DT 18-JUL-1994 (first entry)
DT 18-JUL-1994 (first entry)
BY PR; Oilgo; priner; periode ligand receptor; ss.
RW FR; Oilgo; priner; periode ligand receptor; ss.
FW FRY
FY miso_feature 1.36
FT niso_feature 1.36
FT

Location/Qualifiers 1..26 /*tag= a

US-08-887-977-9.zng

US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

/label= PCR oligo no. 8 526..545

misc_feature

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Tue Nov 17 08:55:26 1998
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Toxoplesma gondii. Key Misc_difference 497, 498 misc_difference 497, 498 "tsgquence contains an apparent I base deletion"

```
PF PF-578962-A.

7(Abbela PCR 011go no. 10

19-10A-1994.

PR 17-10-1992; US 19-15966.

PR 17-10-1992; US 19-15966.

PR 17-10-1992; US 19-15966.

PR 17-10-1992; US 19-15966.

PR 18-10A-1992; US 19-15966.

PR 18-10A-1992; US 19-15966.

PR 18-10A-1992; US 19-15966.

PR 18-10A-1992; US 19-15966.

Consensus sequence are identified metabasene R, substance R, s
                                                              /*tag= b
/label= PCR oligo no. 10
```

PT 19565542-A.

10-5EP-1957

10

Query Match 1.3%; Score 14; DB 9; Length 546;
Best Local Similarity 1000, Pred. No. 3.47e+02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 128
D 19431, standard; DNA: 551 BP.
D 19451, standard; DNA: 551 BP.
DT 12-FED:1996 (first entry)
DP 12-FED:1996 (first entry)
DP Present (bases 205-756) of Toxoplasma gondii p28 coding sequence.
The Toxoplasma gondii; p28 ix-dcypsofte; probe iypxidiateliation; deretton; Mr infection; vectine; imminosassy; antibody; toxoplasmosis; ss.

US-08-887-977-9. Ing

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(MATS/) MATSUBARA K. (OKUB/) OKUBO K.

The formal of the following state of the following his formal of the following state of the speakers almost the state of the following st

Query Match 1.3%; Score 14; DB 20. Length 553; Best Local Similarity 100; 0; Pref. Ro. 3.478-402; Matches 14; Conservative 0; Mismatches 0; Indels

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Page 143

Tue Nov 17 08:55:26 1998

RESULY 129

Table tendered cDNA to mRNN, 553 BP.

Table tendered cDNA to mRNN, 553 BP.

Table tendered cDNA to mRNN, 553 BP.

Table tendered control to the tendered control t

Query Match 1.34; Score 14; DB 15; Length 551; Best Local Similarity 100 (%; Pred 160- 3478-00); Affector 14; Conservative 0; Mimmatches 0; Indels 0;

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The control of the co

RESULT 111

D TORGON STANDARD CORD; 554 BP.

D TORGON STANDARD CORD; 554 BP.

D TORGON STANDARD CORD CONTROL OF THE CONTROL OF

OF MEDICINE. Harris PC, Reseling ALW; Hilst Mo, Peral B, Peters DJM; Ward CJ;

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US-08-887-977-9.ING
Tue Nov 17 08:55:26 1998
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8888888888
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Score 14; DB 24; Length 554; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Query Match Best Local Similarity 100.0%; Matches 14: Conservative

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TT 1137
W00997, standard; DNA, 555 BP.
W00997, 900 (fifter entry)
Sequence of closed cDNN encoding human motilin precursor
Castro-enceropathy; ss.
Romo saplens.
Location-fully 55.403 131...153 //orte=150 / Location/Qualifiers 56..403 /*tag= a misc_feature misc_feature

T 97 28999-A. / Dotte="Ctained in ciain 4"

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9 03-M87-1889 191089

9 03-M87-1889 191089

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US-08-887-977-9. Ing

diagnostic (immunoassay) compositions for detection of anti-T, gondii antibodice. Antigenic peptides from the p28 protein can be used to raise antibodices. 57 89; 152 A; 142 C; 164 G; 99 T;

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Query Match
1.34; Score 14; DB 35; Length 557;
Best Local Smillarity 100:09; Pred. No. 347e407;
Marches 14; Conservative 0; Manatches 0; Indels 0;

305 aaaaagcaaaggtg 318 ď

193 AAAAGCAAAGGTG 180 ů

LI 134
067728 stndard; DNA; 563 BP.
067728 stndard; DNA; 563 BP.
Cannon pages, (first entry)
Euran pag

Location/Qualifiers
7:153
7:160e* leader-human spasmolytic fusion protein* 553 signal_peptide mat_peptide

/*tag= d /label= SEQ_ID_NO:4 /note= PCR primer 362.378 /*tag= e /note= PCR primer "PCR Primer" tag= 283 misc_feature misc_feature misc_feature

PCR Primer 502..521 /*tag= 9 /note= "PCR primer" misc_feature

Mostilio-, //iloc- r.h pilmer 04-340-1094 04-340-1094 21-240-1099-1000000 (NOVO NODDISK AS. NOVO-NODDISK AS. Physic 94-24034/12. P-9500; NOUSC

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US-08-887-977-9.xng

PT USSESSA1-A.
PD 01-22-1927
P

RESULT 133

10 194513 standard; DNA, 557 BP.

10 194513 standard; DNA, 557 BP.

11 195513 standard; DNA, 557 BP.

12 195513 standard; DNA, 557 BP.

12 195213 standard; DNA, 557 BP.

13 195213 standard; DNA, 557 BP.

14 195213 standard; DNA, 557 BP.

15 195213 standard; DNA, 1953 standard; DNA, 195214 standa

/*tag* a longer changed from A to C as compared the face sound the compared of the stage of the face sound the face of the

Ruman spasmolytic polypeptide in glycosylated form - useful for prophylaxis or treatment of gentrolinestinal disorders from the DNs and a page 19-10; Spp. English.

The DNs and page 19-10; Spp. English (glycosylated at Annis) with is used in a pharmacutical composition for the prophylaxis and treatment of gestrolinestial disorders.

The pns and treatment of gestrolinestial disorders.

Ouery Match 1.34; Score 14; DB 12; Length 563; Best Local Similarity 100.09; Pref. Re. 3478+05; Matches 14; Conservative 0; Mismatches 0; Indels 0;

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#150859.
17.3072-1396 (first entry)
Ruman gene signature HDK500991.
Gene signature HDK500991.
Gene signature nessenger RNN. Telative abundance; frequency
Gene signature; meapenger RNN. and NN. Telative abundance; frequency
Gene signature; meapenger RNN.
Gene signature; meapenger

11.7007-1994; J01916.
11.7807-1994; J01916.
16M7970; MATSURARA. K.
KORDAN, CANDO K.
MORDAN, CANDO CANDO

The tissues of the state of the

Page 148

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.T. 135 T19858 standard; cDNA to mRNA; 566 BP.

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US-08-887-977-9.rrg

Tue Nov 17 08:55:26 1998

Page 145

CC precureor, or a cloned ds DNA consisting of the ss DNA and its cc complementary as DNA is claimed. Also claimed its a plasmid conter. the ds DNA or its fragment. The motilin may be useful for curing CC gastro-enteroptsys at a period of post-operation and for diagnosis. The CC cDNA was preed. from RNA exid. from the upper small intestine.

ö

Score 14; DB 1; Length 555; Pred. No. 3.47e+02; 0; Mismatches 0; Indels

Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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US-08-887-977-9.IDG

Tue Nov 17 08:55:26 1998

Page 149

to a cytotoxin can be used for cancer treatment. The encoded protein can librarise antibodise and these used to screen DNA expression librarise or for polypetide isolation. (3) allows differential disponsis between neoplasia and hyperparisation for prostate (all twoours with a log best have lost this region) and determination of micro-extractases in the Sequence 590 Bp; 201 A; 70 C; 104 G; 212 T;

8888888

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Outery Match 1.33; Score 14: DB 36; Length 590; Best Local Similarity 100: 04; Pred. No. 3.478+02; Matches 14; Conserrative 0; Manantches 0; Indels 0;

Length 590;

for determined (esp. using primers and probes derived from the GS sequences) as a means of dispnosing abnormal cell function or recognishing different cell types.

Sequence 566 BP: 138 A; 114 C; 118 G; 176 T; Query Match
1.34; Score 14; DB 19; Length 566;
Bert Local Similarity 93; Pred. No. 3.479-02;
Marches 14; Conservative 0; Mismatches 1; Indels 0; Gaps

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D 099781.

D 099781.

D 099781.

D 14-001196 (first entry)

E plant SAR gene Di.1.3.

E plant SAR conty. Plant SAR gene Di.1.3.

E plant SAR gene Di

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US-08-887-977-9.zmg

proteins provides a synergistic increase in plant protection, and also offer protection ogsiner a vider range of pathogens. Sequence 595 BP, 165 A; 114 C; 157 G; 215 T;

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May be a mays.

Location/Qualifiers

The state of the sta This standard; cDND; 666 BP.

This standard; consider the control of the cauliform may be used to trinsform about may apply that the control of the cauliform; control o

Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative

Query Match 1.3%, Score 15; DB 26; Length 666; Best Local Similarity 100.0%; Pred. No. 8.37e+01;

Score 15; DB 18; Length 653; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0;

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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

Page 151

ö Indels Mismatches 0; ö Matches 15; Conservative

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PF W09411390-A. /Product* germin.
PD 21-708-1934.
PD 21-708-1934.
PD 21-708-1934.
PD 21-708-1934.
PD 21-708-1935.
PD 21-708-19 RESULT 139

COSSESS standard; DAN, 672 BP.

COSSESS standard; DAN, 673 COSSESS STANDARD; DAN, 674 BP.

COSSESS STANDARD; DAN,

Score 14; DB 11; Length 672; Pred. No. 3.47e+02; 0; Mismatches 0; Indels Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

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US-08-887-977-9.xmg
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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

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The Nov Control of the Control of th
                                                                                           T51181;
CTCT-1997 (first entry)
CTTPtcaporidium genemic DNA sequence.
CTTPtcaporidium parum. human; calf; host; primer; probe; detection; CTTPtcaporidium parum. human; calf; host; primer; probe; detection; CTPptcaporidium parum.
CTPptcaporidium parum.
standard; DNA; 688 BP.
```

PR GR3107477-A.

PP 23-RW-1989; 024453;

PR 23-RW-1989; GB-03158;

PR 23-RW-1989; GB-03158;

PR 23-RW-1989; GB-03158;

PR 23-RW-1989; GB-03158;

PR 24-RW-1989; GB-0318;

PR 24-RW-1989;

PR 24

Query Match
1.3; Score 14; DB 35; Length 689;
Best Local Similarity 100:08; Pred Ro. 3.47e+02;
Matches 14; Conservative 0; Mismarches 0; Indels 0;

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Owery Match 1.3%; Score 14; DB 32; Length 688; Best Local Similarity 100.0%; Pred Ro. 3.479-02; Matches 14; Conservative 0; Mismatches 0. Indels 0; Gaps

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RESULT 141

RESULT 141

Type 57 standard, DNN, 689 BP.

Type 57 standard, DNN, 689 BP.

Type 57 standard, DNN, 689 BP.

Type 57 standard s

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RESULT 142
ID T35146 standard; cDNA; 702 BP.
AC T35146;
DI 07-ROV-1996 (first entry)
                                                                                                                                                                            Tue Nov 17 08:55:26 1998
                                                                                                                                                                            Page 155
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cDNN encoding VNSP-I, used to screen for pheromones. VNSP-II VNSP-II, pheromone, mammalian reproduction; contra mouse; murine; nasal tissue; nose; ss. Hus sp. Location/Qualifiers of 37.585. Location/Qualifiers 37..585 /*tag= a

Tue Nov 17 08:55:26 1998

77 300157408-A.
78 300157408-A.
79 18-77871505.
78 30-87071504-17973795.
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US-08-887-977-9. ING

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D G0835; standard; DNA; 751 BP.
D G0835; standard; DNA; 751 BP.
DE 70-782-1995 (first entry)
PR W09624676-A1.

PD 1240-1296.

PD 1240-1296.

PD 1250-1296.

PD 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   query Match 13%; Score 14; DB 23; Length 713; Best Local Similarity 10%; Pred: No. 3.476+02; Local Similarity 10%; Mismatches 0; Indels 0; Gaps Marches 14; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
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O; Gaps

Query Match 1.3%; Score 14; DB 22; Length 702; Best Local Similarity 100; N° Pred. No. 3.47e-02; Destructes 14; Conservative 0; Mismarches 0; Indels

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US-08-887-977-9. zzg

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hyperidic acid encoding Taxonama, sondid FPB procean - used in hyperidican seasors for diggoes, mocroplessors, also for a control parameter, also for diggoes, mocroplessors, also for claim 14: Column 19: 20; 14pp; English, and disposet, respect to claim 14: Column 19: 20; 14pp; English, and the non-poset sequence encoding the boxoplesma gondii pPB procesin. The sequence was obtained from a library generated from nucleic soid abouted from 7: gondii therbycates. Figure 1 hyperidiation tests for direct decention of 1; gondii infection 1 process in hyperidiation tests for direct decention of 1; gondii infection disposate (Hamusosasy) compositions for detection of anti-T; gondii antibodies. Antigence peptides from the p28 process on be used to raise subdiages. Antigence peptides from the p28 process on be used to raise subdiages.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 105513139-7 //Doce - Cigin 11.

1 27-487-1389; 14-1378.

1 01-889-1389; 18-41378.

1 01-889-1389; 18-41378.

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1 01-889-1389; 18-41378.

1 01-889-1389; 18-4138.

1 01-889-1389; 18-4138.

1 01-889-1389; 18-4138.

1 01-889-1389; 18-4138.

1 01-889-1389; 18-4138.

2 01-889-1389; 18-4138.

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Page 160

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CC i.e. toxoplasmosis The encoded protein is useful in vaccines and disposite (Emmineassay) compositions for detection of Anii-T. gondii cc antibodies. Antigenic peptides from the 288 protein cen be used to raise Sq Sequence 756 8p; 201 A; 193 C; 207 G; 155 T;
                                                                                                                                                                                                                                                                       Query Match 1.34; Score 14; DB 35; Length 756; Best Local Similarity 100.04; Pred. No. 347+02; A76+02; Matches 14; Conservative 0; Mismatches 0; Indele 0;
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TO 110931 exended; DNA, 782 BP.

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mat_peptide primer_bind primer_bind

W09535114-A1. 28-DEC-1995. 16-JUN-1995; U07748.

Page 157

US-08-887-977-9. rng

249 C; (1991). Sequence 751 BP; 149 A;

Query Match 1.3%; Score 14; DB 11; Length 751; Best Local Similarity 100.0%; Pred No. 3.478-62; Local Similarity 100.0%; Pred No. 3.478-62; Local Similarity 100.0%; Pred No. 3.48matches 0; Matematiches 0; Gaps Matches 14; Conservative 0; Mamatches 0 셤

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itros coma closes isolated from a coma library by arreaning with mouse anti-1750-78 as probe and closes obtd by hybridisation using isolated partial councilones as probes. One isolated close decision are that a now of the council o 8888888888

Query Match

1.34; Score 14; DB 30; Length 756;
Best Local Similarity 100; 04; Perd No. 3474-62), 3474-62,
Matches 14; Conservative 0; Mismatches 0; Indels 0;

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Page 161

Pr the prodn. of antibodies, in vaccines and for prodn. of reagents for disposate. Pig 44, 1848p; English.

Pr disposate. Pig 44, 1848p; English.

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Query Match
1.3%; Score 14; DB 1; Length 790;
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Matches 14; Conservative 0; Mismatches 0; Indels

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439 ttataaaaagcaaa 452 197 TTATAAAAGCAAA 184 ď

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RESULT 149
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PASSULT 150

De 79413: 150

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RESULT 152 ID N80115 standard: DNA; 832 BP.

0; Indels 0; 0; Mismatches Matches 14; Conservative

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NESULT 151

10 V00257 standard; DNN: 810 BP.

10 V00257 standard; DNN: 810 BP.

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21 **ANT-1

Ouery Match 1.34, Score 14, DB 40; Length 810; Best Local Smilarity 100.04, Prefs. No. 3.476+02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 133 standard; CDNA, 632 BP. CA 774333 standard; CDNA, 632 BP. DT 11-722-1996 (first entry) DF 10-722-1996 (first entry) NF POLACTIA antegoriat; phosphoryl, NF POLACTIA antegoriat; phosphoryl, NF Accentons, prostate cancer; tr NF Accentons, prostate cancer; tr NF Accenton; masacaridac; ovulation of symbatic.

Page 164

Tue Nov 17 08:55:26 1998

Page 163

Query Match 1.3%; Score 14; DB 35; Length 797; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

N80115;
18-027-1990 (first entry)
Ruman preprolactin gene.
Prolactin milk; contraceptive; dairy cows; lactation;
Fonce apples. Location/Qualifiers /*tag= b /label=prolactin signal_peptide

mat_peptide

THE GRANDS AND ALGORITHMS TO A CARBOL PROJECTION OF THE GRANDS AND A CARBOL AND A C

ö Query Match
1.3%; Score 15; DB 1; Length 832;
Best Local Similarity 100.0%; Pred No. 8.37e-01;
Dest Conservative 0; Mismatches 0; Indels
15; Conservative 0; Mismatches 0; Indels See also M80114. Sequence 832 BP; 216 A; 233 C; 182 G; 201 T;

1,4313. 1.7292.1998 (first entry) CON encoding human substitution prolaction. CON conceils antegoing phosphorylation, hyperproacting an prolaction proface concerting of hyperphone, infertility, protection also areas concerting the property human; se-

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Page 165
Tue Nov 17 08:55:26 1998
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US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

Vaccine; diagnosis; epitope; passive immunisation; as.
Baemophilus influenza.
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cds /*tag a

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Example 1) Feet 384 (794) modified (1901).

Example 1) Feet 384 (794) modified (1901).

This full-length colon, clone, the coding region of which is colonial (1901).

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Best Local Similarity 1000; Pred. No. 8.376+01;
Marches 15; Conservative 0; Mismatches 0; Indels 0; Gaps
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                                                                                                                                                                               RESULT 158
D 76931 standard: CDNA; 870 BP.
D 76931 standard: CDNA; 870 BP.
D 76931 standard: CDNA; 870 BP.
D 76931 stands goodil 278 gene fragment.
E 7000plasma goodil 278 gene fragment.
EN Procelasma goodil RH strain.
D 76921 standard: CDNA; 870 BP.
D 76921 STANDA; 870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 154
1D MOS27, Standard; DWA; 850 BP.
DT 12-7AM-1912 (first entry)
DF 2-7AM-1912 (first entry)
DE Sequence of Remobbilius influencae Praxis Biolgics Outer
DE Membrane Protein-2 (PBOMP-2) gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   W09735982-A2.
02-007-1397;
02-MMR-13997; U04898.
72-MMR-1396; US-622851.
(COS-) ICOS CORP.
Godiska R. Caray Ph;
PTI: 97-489645,45.
PTI: 97-489645,45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tue Nov 17 08:55:26 1998
        Key
CDS
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Tue Bov 17 08:55:26 1998

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Query Match 1.3%, Score 14; DB 2; Length 850; Described to the constant of the conservative 0; Mismatches 0; Indels 0; Gaps Macches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 18; Conservative 0; Mismatches 0; Conservative 0; Conserv

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PR 908904937-A. (*tag= a processes a proce

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RESULT 157

10 V1214; standard; CDRA to RRM3; 871 BP.

NO V1214; standard; CDRA to RRM3; 871 BP.

NO STANDARD; standard; CDRA to RRM3; 871 BP.

NO STANDARD; standard; CDRA to CONTROLLING Sequence 81.

NO STANDARD; standard; CDRA to CRM t
                                                                                                                                                                         PR 03-NOV-1989; US-431578.

PR 07-NOV-1989; US-471579.

PR 07-DE-1999; US-47753.

PR 07-DE-1999;
US-08-887-977-9. rng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Opery Match
1.3%, Score 14, DB 30, Length 870;
Best Local Similarity 100.0%, Pred. No. 3.478-60;
Secholes 14, Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     요
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UB-08-887-977-9.zng

found on the surfaces of the proteins play a role in the function of seps, and in particular their interaction with their interact. On which we can be captulated to interact with samm or RWs, possibly to unwind the secondary structures of these noticels and stabilise their primary structures. The open Camily can be used to be encurated to uncold secondary countries and their primary structures. On the stabilise of september of their primary structures of the secondary countries and their primary secondary contributions of the secondary of the s

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Gaps

Score 14; DB 39; Length 877; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0;

Query Match
Best Local Similarity 100.04;
Matches 14; Conservative

a g UZ 159
003300 standard, DNA, 903 BP.
003300 standard, DNA, 903 BP.
003400-1990 (first entry)
Electa tenella, antigen G33733, avian coccidiosis.
Electa tenella.
Cocation/Qualifiers
fey
fig. 31. 331

Nov

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US-08-887-977-9. Ing
Tue Nov 17 08:55:26 1998
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quantity
Claim 1 page 5. 11pp; Japanese.
Claim 1 page 5. 11pp; Japanese.
This sequence represents the DNA encoding a transcription controlling
factor of the investion, designated 750. The transcription controlling
factor in Tree promotes transcription of the RBZ1 gene. Use of the
remortpicion factor enables rice to be improved in quality and quantity.
Sequence 871 BP; 213 A; 234 C; 347 G; 180 T; £ \$ \$ \$ \$ \$ \$ \$ \$

Score 15: DB 38; Length 871; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0;

0.0 0.0 1.3%;
Best Local Similarity 100.0%;
Matches 15; Conservative

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PR 085714575-A.

PR 08571457-A.

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PN 99000403-A. Prage a PN 99000403-A. PN 99000403-A

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US-08-887-977-9. rng

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Ouery Match Best Local Similarity 100.0%; Matches 15; Conservative

of the CX1271 and CX1273 antigens in Z. coli. They were designated pox1271 and pox1273. And encode best galactocidate coordial antigen fusion proteins. Also new are host cells transformed with the vectors and antigent proteins. Also new are host cells transformed with the vectors and antigent protein to immunise brids against a transformed and are used in a vaccine to immunise brids against arian coordinos. The host proteins they can be used as a type-pocific probe. The host area to detect ho against the host coordinas are an antigeness of the coordinas sequence. 901 87: 226 h. 2015, 319 6, 315 7; the DNA.

DB 1; Length 903; 8.37e+01; tches 0; Indels 0; Score 15; DB 1; Pred. No. 8.37e+(0; Mismatches

Saps

ð g

RESULT 160

202972 standard, DRA: 920 BP.

COSSERVATION (Inter entry)
DE Memon calcium channel 2790/14.

Riamad DATA **-2.11. Ca-flux assay; se.

Riamad Laterace 116.119

Riamad Laterace 117

Riamad Laterace 127

Riamad Riamad Resurcal calcium channel sub-type 127

Riamad Liamad Resurcal calcium channel sub-type 127

Riamad Laterace 127

Riamad Liamad Resurcal calcium channel sub-type 127

Riamad Laterace 127

Riam

PP-50710-4.

(P. 1970-1987)

21-WAR-1992; 10-070-1990

21-WAR-1992; DE-11070

(PARE) BARER AC.

(PARE) BARER AC.

(PARE) PARE ASSAS AC.

(PARE) PARE ASSAS AC.

(PARE) PARE ASSAS AC.

(PARE) PARE BC-BC.

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171

Tue Nov 17 08:55:26 1998

US-08-887-977-9. ED

Page 172

Human menulations cell line, hippocampus, frontal and temporal contract and trial accordance and found to encode anios cellad one lilfs to 189 for the rabbit schetchin uncel calphal action to encode anios cellad anios cellad anios accordance and trial accordance accordance action to encode anios cellador. The clone is completely contained within the clone platayolic expression vector for use in transforming suitable host cella lines producing human neuronal calcium channel proceins antagonismo be used for acreening for Ca channel liquade (aposities or encoderance 200 RF). 186 519 737 225 6; 225 6; 239 7;

888888888888

0; Indels Length 920; Score 14; DB 5; L Pred. No. 3.47e+02; 0; Mismatches 0 Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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ESCUT. 161
D (77701 et andard, DNA) 927 BP.
D (77701 et andard, DNA) 927 (first entry)
D (7701 et andard, DNA) 927 (first entry)
D (7701 et andard, DNA) 927 (first entry)
D (7701 et andard, DNA) 937 (first entry)
D (7702 et andard, DNA) 937 (first entry)
D (7703 et andard, DNA) 937 (first entry)
D (7704 et andard, DNA) 937 (first entry)
D (7705 et a

Discioure: Page 35: 54pp; English.
The antisense oligonucleotide given in Q73701 is complementary to codons 1 to 309 of the mature sequence of manuar IEFR (whose requence is given in Q73701). Fragments of this antisense sequence is given in Q73701. Fragments of this antisense sequence is given to the growth of IGP-IR-secreting control of the control of the proventies.

05-NOV-1996 (first entry)
Reparcoyte proliferation substance HP-041V game.
Mana heparcoyte proliferation substance; rat; probe; SR-alpha promoter; chinese hamater ovary cell; GHO; hepatitis; ds.
News sapiens.

Location/Qualifiers e 1..66 /*tag= a 67..936 /*tag= b

signal_peptide 1

mat_peptide

US-08-887-977-9. Ing

Tue Nov 17 08:55:26 1998

Page 173

Score 14; DB 12; Length 927; Pred. No. 3.47e+02; 0; Mismatches 0; Indels Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

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standard; RNA; 927 BP.

With 1986 1981-AL. Property Processing States of the Processing States

BESULT 1123

M. 1723605

M. 1723605

M. 104-1 ref

M. Miller 1 ref

M. Mil

Query Match 1.34; Score 14; DB 20; Length 927; Dest Local Similarity 78:64; Pred. Ro. 3.474-07; Matches 0; Indels Matches 11; Conservative 3; Mismatches 0; Indels vávo. Sequence 927 BP: 179 A; 258 C; 277 G; 213 U;

O; Gaps

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standard; cDNA to mRNA; 936 BP RESULT 163 ID T13397 s AC T13397;

Tue Nov 17 08:55:26 1998

Homo sapiens. Key

/*tag* a 67.936 /*tag* b signal_peptide mat_peptide

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US-08-887-977-9.rng

Location/Qualiflers

Query Match 1.3%; Score 15; DB 12; Length 936; Best Local Similarity 100.0%; Pered No. 8, 18-40); Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT. 165
MC 003393 at atnodard; DNA: 960 BP.
AC 003393 at atnodard; DNA: 960 BP.
DE Recombinant DNA encoding human prolactin (HP)
DE Recombinant DNA encoding human prolactin (HP)
DE Recombinant DNA encoding human prolactin (HP): plaemid pDN720; plaemid pDN720; plaemid pDN720; plaemid pLN7100.
OS HORD ADMISSION (HP): plaemid pTN7100; plaemid pLN7100.
DS -CAN-1907.
PN 75-DEC-1907; 311244, JP-315317.
PN 75-DEC-1907; Shikishina Boseki K.
NR (HHK): 90-047987/07.

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Tue Nov 17 08:55:26 1998

US-08-887-977-9.mg

RESULT 164

TO #1336, standard; cDNA to mRNA; 916 SP.

A #1336, standard; cDNA to mRNA; 916 SP.

DF #1336, standard; cDNA to mRNA;

DF #1346, standard;

MRNA finan heptocyte proliferation abstance; att, probe; SR-alpha promoter;

KW chinese hamster overy cell; CRO; hepatitis, dd.

Query Match
1.34; Score 15; DB 22; Length 936;
Bet Local Similarity 100.04; Pred. No. 8,37-00;
Matches 15; Conservative O: Minanthes O; Indels O; Gaps

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Page 176

P-PSDB: ROS211.

The man prolated producing recombinant DRA .

In which promoter, Shine Dalgamon esquence and translation.

In which promoter, Shine Dalgamon esquence and translation.

Initiation owners are integrated.

Initiation owners are integrated.

Initiation owners are the properties.

Produce of By their culture. A promoter, Shine Dalgamon (SD) are inserted in the produce of By their culture. A promoter, Shine Dalgamon (SD) or conservation of Britist's man of March 1980 and the produce of By 1980 and there are integrated with a spiritelial DRA links to produce plasmid propose are large mars of BP to be produced accombinanty.

Sequence 360 BP; 287 A; 209 G; 219 Z;

888888883338

0; Gaps Query Match 1.3%, Score 15; DB 1. Length 960; Best Local Similarity 100.0%; Pred. No. 8.37e+01; DB 1. Scoretive 0; Mismatches 0; Indels Markethes 15; Conservetive 0; Mismatches 0; Indels

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Owery Match 1.33; Score 14; DB 14; Length 967; Bast Local Similarity 100.09; Pred No. 3.476+02; Matches 14; Conservative 0; Minmatches 0; Indels 0; Matches 14; Conservative 0; Minmatches 0; Indels 0;
                                                                                                                                                                                                                  SQ Sequence 967 BP; 358 A; 188 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  206 casastatcatgas 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        671 CAAATATCATGAA 658
                               Tue Nov 17 08:55:26 1998
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               Page 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    W09640924.10.

W09640924.10.

PF W09640924.10.

W107-1985; U09807.

PF W107-1985; U09807.

WR W11-1985; U09807.

WR W11-1985; U09807.

WR W11-1985; U09807.

WR W11-19-105: U09807.

WR W11-105: U09807.

WR W11-19-105: U09807.

WR W11-105: U09807.

                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                               Outery Match 134; Score 14: DB 1; Length 961; Best Local Similarity 100.04; Pred. No. 3479+02; Matches 14: Conservative 0; Mismatches 0; Indels 0;
               US-08-887-977-9.ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-3M*1998 (first entry)
Deposit of the first entry of the first eleme 4-4.

promote cotton fibra-specific transcriptional factor; promoter; promoter; element phenomery: melanin; indigo: ss.

Gosspillen hirstone ov. coker 130.

mat_peptide 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1..96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 1...96 
                                                                                                                                                                                   transfer to the womb of a recipient.
Sequence 961 BP; 253 A; 258 C; 213 G; 237 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /*tag= a
/codon= seq:tga, aa:stop
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DESULE 1857 attandard; CDNA, 967 BP.

AT 7248-1998 (List entry)
DE CNA according outch libre struct
NW promoter; fibre specific transcript
SA altered sphenotype colour; mainting
Gessyplum historium cv coker 130.
FT mat_peptide 1..967
THE WAS THE COME SECTION COMBILITIES
FT WOSECONAL 1..967
TOWN COMBINE INC. PERSONAL 1996.
DE DEC.1996.
DE DEC.1996.
DE NOSECONAL 1996.
DE NO
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202 G;

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Gaps

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PP 0'dennell ME;

PP 197-47001813.

PP 197-47001813.

PP 180197-47001813.

PP 18019 W38011.

PP 18019 
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Bert Local Similarity 100:0%; Pred No. 3-478-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
            US-08-887-977-9.xng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tue Nov 17 08:55:26 1998
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Score 14; DB 1; Length 983; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0;

Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

RESULT 169
TO 47200 standard; DRN; 1002 BP.
AC 4047200;
DT 56-7AM-1994 (first entry)
DE DRN polymerase III holoensyme delta' subunit hol3 gene.
KW Ensyme; chromosomal replicase; ss.

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Page 179
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dostry Match 1.31, Score 14, DB 8; Length 1002; Best Local Similarity 100,04; Pred. Ro. 3.479-42; Indels 0; Gaps Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps

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70 05-70-1993; 000627.
71 22-744-1993; 000627.
72 23-744-1993; 000627.
73 100-0101.
74 100-0101.
75 100-0101.
75 100-0101.
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Tue Nov 17 08:55:26 1998

Escherichia coli. Key Location/Qualifiers cds /*tag= a

| RESULT | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 1

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Tue Nov 17 08:55:26 1998	

US-08-887-977-9. Ing

Tue Nov 17 08:55:26 1998

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Pranagenic plants cond, protein of high nutritional value.

Other continuation of the state of t

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Query Match 1.39; Score 14; DB 2; Length 1028; Best Local Similarity 100:04; Pred; Mo. 3.478+02; Matches 14; Conservative 0; Hismarches 0; Indels

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Certive decrees given in option of another fragments of rodent derived Colling alpha-21-stablish coid framing fraces. The state of a colling of colling of a colling of colling
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US-08-887-977-9.rng rue Nov 17 08:55:26 1998

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Omery Match 1.34; Score 14; DB 1; Length 1028; Bet Local Similarity 100:09; Pred. Pos. 3.14%-06. Indels 0; Gaps 0; Mismatches 0; Indels 0; Gaps 0;
CC peride. During mutagenesis an oligonuclectide (n9292) is CC hybridised to the opposite strand of the DWs sequence about 6 equence about 727 0; 121 0; 25 7;
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RESULT 174
D G05564 standard. CDRA; 1029 BP.
D G1562 SP.
D G162 SP.
D G162
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Query Match
1.3%, Score 15; DB 11; Length 1029;
Best Local Similarity 10:00, Pred. No. 8:178-601;
Mctohe 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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Db 269 gttcttactctccca 283
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W09411019-A.

WF-1394.

WF-1395.

WF

Case Tables (19-110) 134pp; English.

Case Tables (19-110) 134pp; English.

A cDN, Library was pepared in lembda gilo. from make sloaded from a south bowine owary. Plaques were accessed using a mixture of probes encoding portion EAA, EBB and EXC processes. Postitive closes were analysed further by Southern hybridisation using the postine probes and closes encoding bowine EPA, EPB and ENC proteins were identified (see Geoffa)-06661, respectively).

Sequence 1029 BP; 250 A; 288 C; 235 G; 255 T;

Page 183

Tue Nov 17 08:55:26 1998

US-08-887-977-9. Ing

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259 GITCITACICICCCA 273
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PR N09500665-A.

PR N09500665-A.

PR N09500665-A.

PR N09500665-A.

PR 20-AR-1395.

PR 20-AR-1

Omery Match
13%, Score 14; DB 14; Length 1037;
Best Local Similarity 100, Pred. No. 3.476+02;
14; Conservative 0; Mismatches 0; Indele 0; Gaps

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Page 184

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784 gttcttggcctcct 797

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Weepolly 3.

10. Mon. 1989
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27-JUR-1980 (first entry)
27-JUR-1980 (first entry)
37-JUR-1980 (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oncery Match 1.34, Score 15, DB 1; Length 1080;
Best Local Smilarity 10.04, Pred. No. 8.79-40, Indels 0; Gaps
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 177

AC N900449 standard, DNN, 1040 BP.

AC N900449 standard, DNN, 1040 BP.

L-NOV-1899 (first entry)

Elseria gonoriboa (RA13), Protein IA DNA

RE-seria gonoriboa (RA13), W strain FA19; DNN, Protein IA.

RE-seria gonoriboa (NO), NG strain FA19; DNN, Protein IA.

RE-seria gonoriboa (NO), NG strain FA19; DNN, Protein IA.

RE-seria gonoriboa (NO), NG strain FA19; DNN, Protein IA.

RE-seria (NO), SS b

RT -10_signal (N-tag b

RT -
                               US-08-887-977-9.rng
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Sequence 1080 BP; 306 A; 242 C; 303 G; 229 T;
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99..89.
**tag= a
**tag= b
**tag= b
**tag= b
**tag= c
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                                                                                                                                                                                                      Tue Nov 17 08:55:26 1998
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                       Page 185
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PR 10-02-1395; 004208.

PR 10-02-1394; US-02-13405.

PR 10-03-1340; US-02-13405.

PR 10-07-1944; US-02-13405.

PR 10-07-1944; US-02-13405.

PR 10-07-1944; US-02-13405.

PR 10-07-1944; US-02-1443.

PR 10-07-1444; US-02-1444.

PR 10-07-1444; US-02-1444.

PR 10-07-1444; US-02-1444.

PR 10-07-1444; US-02-1444.

PR 10
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TO 1983: Standard; DNA: 1070 SP.

TO 1983: Selective the control of t
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No. 3.47e-40; Indels 0; Gaps Miches 0; Mismatches 0; Indels 0; Gaps
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                                                                                                                                                                                                                                                                                                                                     IN 176
09218 standard; mRW; 1040 BP.
09318 standard; mRW; 1040 BP.
09318 standard; mRW; 1040 BP.
09348 standard; mrR; 1050 standard; protein Transporter protein; protein Transporter; protein Transporter; protein; mrR; 1050 standard; mrR; 1050 standard; protein; mrR; 1050 standard; 1050 stan
       US-08-887-977-9. Ing
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81..1028
/*tag= a
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01-0771992.
13-MAR-1993; 002006.
14-MAR-1993; 00206.
(UTMC-) UTW NORTH CAROLIA.
Carbonetti N Sparling FP;
PFESS 97-48935742.
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ID N91259 standard; DNA; 1080 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag* e
69..73
/*tag* f
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*tag= b
35.1025
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Gaps

US-08-887-977-9. rng

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Overy Match 1.3%; Score 14; DB 1; Length 1091; DB at Local Similarity 100; Pred. No. 3.47-602; Datable 14; Conservative 0; Mimmatches 0; Indels 0; Gaps

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RESULT 182

DO 077819 standard; cDRM; 1093 BP.

DO 177819 standard; cDRTCHAND and the teacor cDRM.

RESULT cancer; clirioside, s.

DO 177819 standard; collipside s.

RESULT CALLON COLLING STANDARD STAN

Tue Nov 17 08:55:26 1998

US-08-887-977-9.zmg

Page 192

OG-JUN-1908 (fitter entry)
OG-JUN-1908 (fitter entry)
OGS for wild type human b.-sparaginase homologue.
Lendancetinase: homologue; treatment; malignant tumour:
lendacenia; jumphomo: human; ds.
Sumo amplems.
Symptein.
Location/Qualifiers
CDS 1..1095 Location/Qualifiers
1..1095
/*tag= a
/note= "stop codon not given"

SCCCCCSTREETS BELLER BEL

FIRST STATES AND THE STATES AND THE

Query Match 1134, Score 14, DB 39, Length 1095, Best Local Similarity 100:09, Pref. No. 3.478-402, Dadels 0. Saps Matches 14, Conservative 0; Mismatches 0. Indels 0; Gaps

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RESULT, 185

TO V15792, and Anadard; CDNA to mRNB; 1095 BP.

TO 05-UNG-1998 (first entry)
DE CHONA for vill frype human frequency malignant tumour; NN Leaparengiases; homologue; reteatment; malignant tumour; NN Leaparengiases; homologue; reteatment; malignant tumour; NN Leaparengiases; homologue; reteatment; malignant tumour; NN Relatemati, Juphomas, human; das Synchetic.

Son Shorbetic.

I. 1009 Shorbetic.

I. 1009 P. 1909 A. 1009 A.

Page 189

US-08-887-977-9.rng

Tue Nov 17 08:55:26 1998

Location/Qualiflers
1.184
/*tag= a
/*number= 1
1008..1087
/*tag= b
/*number= 2 exon

PF 308056671-A. /number 2

PF 308056671-A.

PF 308056671-A.

PF 308056671-A.

PF 30805671-A.

PF 30805671-A.

PF 30805671-A.

PF 30805671-A.

PF 30805671-A.

PF 3080571-A.

PF 3080571-A. Ettttteeeeeeeeeeeeeee

Query Match 134; Score 14; DB 23; Length 1087; Best Local Similarity 100; Pred No 3.47e+02; Micches 14; Conservative 0; Mismatches 0; Indels 0; Capi

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RESCITE 181

TO 006524 standard; DRN; 1091 BP.

NO 006524 standard; DRN; 1091 BP.

To 006524 standard; DRN; 1091 BP.

DR Accept special capable of combining with alpha-fetoprotein enhancer.

DR Accept special capable of combining with alpha-fetoprotein enhancer.

SE MON 0061455-1.

PR 1900-1909; J000557.

PR 1900-1909; J000597.

PR 1900-1909; J000597.

Tue Nov 17 08:55:26 1998

US-08-887-977-9. IN

Query Match 1.3%; Score 15; DB 12; Length 1093; Best Local Similarity 100:04; Pred. No. 8:37e+01; Indele Matches 15; Conservative 0; Mismatches 0; Indele RESULT 183

D V17311 standard; CDNA to mRNA; 1095 BP.

DO V17311 standard; CDNA to mRNA; 1095 BP.

DO V17311 standard; CDNA to mRNA; 1095 BP.

DO V17311 standard; CDNA to mRNA; 1095 BP.

RE CONA CONTINCT TO THE CONTINCT TO SERVICE TO SERVICE

FIRE EP-811687-A. // Notes = stop codon not given .

PD 10-026-1997; 301896
PD 60-0104-1999; 101896
PR 60-0104-1999; 101896
PR 60-0104-1999; 101896
PR 71: 98-02996/013
PR 71: 98-02996/01

Ouery March 13%; Score 14; DB 39; Length 1095; Best Local Similarity 100:04; Pred 18 NB 3-747-67; Indels 0; Gaps Marches 14; Conservative 0; Minnatches 0; Gaps

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RESULT 184 ID V15793 standard; cDNA to mRNA; 1095 BP AC V15793;

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Page 194
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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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(AAR) SANASIMANA, SETBUTSO KAGAWO.

(RARE) SANASIMANA, SETBUTSO KAGAWO.

(RARE) SANASIMANA, Taniai M. Tamamoto K.

(RARE) SANASIMANA, Taniai M. Tamamoto K.

(RARE) SANASIMANA

(RAMINIA)

(RAMINIA)
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0; Indels 0; Ouery Match 1.3%; Score 14; DB 39; Length 1095; Best Local Similarity 100.0%; Pred. No. 3.4(Pe0); Dest Local Similarity 0: 0; Mismatches 0; Indels (Matches 14; Conservative 0; Mismatches 10; Indels (Matches 14); Indels (Matches 14)

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17-476-1995.

PR 14-778-1995.

PR 14-778-1994.

PR 14-778-1995.

PR 18-778-1994.

PR 19-1995.

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RESULT 187

10 095139 standard; cDRN; 1100 BP.

10 095139 standard; cDRN; 1100 BP.

10 1014-1936 (first entry)

10 1014-1936 (first entry)

10 1014-1936 (first entry)

10 1014-1936 (first entry)

11 1014-1936 (first entry)

12 1014-1936 (first entry)

13 1014-1936 (first entry)

14 1014-1936 (first entry)

15 1014-1936 (first entry)

16 1014-1936 (first entry)

17 1014-1936 (first entry)

18 1014-1936 (first entry)

19 1014-1936 (first entry)

10 1014-1936 (first entry)

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Query Match 113%; Score 15; DB 16; Length 1100; Bert Local Similarity 100.0%; Pred. No. 8.75e-01; Conservative 0; Mismatches 0; Indels 0; Gaps Macches 15; Conservative 16; Mismatches 16; Conservative 16; Conservative 16; Conservative 17; Conservative 17; Conservative 18; Conservative 18; Conservative 19; Conser

RESULT 188
AC 177311.
D 177311.
TO 177311.
D 17311.
D 13-NOV-17311.
DI 18-NOV-1996 (first entry)
DI 18-Oldogyne sensitive toasto acid phosphatas I+ (Apsi+) gene.
DE Melodidogyne sensitive toasto acid phosphatas (acidicalion:
R Acid phosphatas I, Apsi gene: Melodidogyne: toasto.
KW determination: genotype: resistance: sensitivity amplification:
KW PCR; polymerase chain rection: agricultural, hybridiastion: de.

RESULT 186

TO 17374 standard; CDNA to mRNA; 1095 SP.

TO 17374 standard; CDNA to mRNA; 1095 SP.

TO 17374 standard; CDNA to mRNA; 1095 SP.

TO 2004 COT viid type human L-saparaginase homologue.

TO 2004 COT viid type human d. saparaginase homologue.

TO 2005 Spine.

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Spine.

1. 1059 Spine.

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1. 1050 Spine.

TO 2005 Spine.

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20. Propitide having L-asparaginase activity, can be used possent tumours, leukacmia and lymphoma.

1095 BP: 189 A: 347 C; 359 G; 200 T;

Tue Nov 17 08:55:26 1998

lentum. ocation/Qualifiers

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US-08-887-977-9.xmg

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77 7 308056671-A. //number= 2

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Octary Match 134; Score 14; DB 23; Length 1103; Best Local Similarity 100.04; Pred Ro. 3.478-40; Best Matches 14; Conservative 0; Mismatches 0; Gaps

RESOUR 1002439 standard; cDRA; 1104 BP.
AC 022439 standard; cDRA; 1104 BP.
CO-020 tumour associated antigen cDNA.
CO-020 tumour associated cDNA.
CO-020 tumour antigens:
CO-020 tumour associated control tumour antigens:
CO-020 tumour antigens:

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misc_signal misc_signal misc_signal polya_site

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PH 27-173146-A. Prings e PH 27-1731-A. Prings e PH 27-1731-A

Match 13%; Score 14; DB 3; Length 1104; Local Similarity 100:09; Pred. Ro. 3.478-402; Indels 0; Gaps es 14; Conservative 0; Mismatches 0; Indels 0; Gaps Query Mato Best Local Matches

US-08-887-977-9.rng

Score 14; DB 39; Length 1095; Pred. No. 3.47e+02; O; Mismatches O; Indels

Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

Tue Nov 17 08:55:26 1998

Page 193

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PR W09300164-N. /*tage c PR W09300164-N. | /*tage c PR W09300164-N. | /*tage c PR W09300164-N. | PR W093001661-N. | PR W093001662-N. | PR W09300162-N. | PR W0930016-N. | 
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PD 29-RR-1939.
PD 29-RR-1939.
PD 21-067-1932.
PD 20-RB-1939.
PD 21-067-1932.
PD 21-067-1932.
PD 21-067-1932.
PD 21-067-1932.
PD 20-RB-1932.
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TO 179665 standard: DNA: 1164 BP.

TO 179665 standard: DNA: 1164 BP.

TO 17965 standard: DNA: 1164 BP.

TO 17965 standard: DNA: 1164 BP.

TO 17965 standard: DNA: 1164 BP.

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1.3%, Score 14; DB 6; Length 1132;
Best Local Similarity 100:0%, Pred. No. 3.474-02;
Matchea 14; Conservative 0; Mismatchea 0; Indels 0; Gaps
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Oldon 1987

De Diversity (first entry)

Dr. 27-408-1992 (first entry)

Dr. 27-408
                   US-08-887-977-9. Eng
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1042..1132
/*tag= b
954..960
/*tag= c
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296..301
/*tag= c
320..325
/*tag= d
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|||||||||||||||||||531 ccaaaaatacaaca 544
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                                                                                                                                                                                                               RESULT 191

10 007062 etandard, DNA, 1132 BP.

11 007062 etandard, DNA, 1132 BP.

12 1-702-1931 (first entry)

13 1-702-1931 (first entry)

15 APPE 1970 promoter sequence.

18 APPE 1970 promoter sequence requence in the sequence of the se
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1.3%; Score 14, DB 34; Length 1152;
Best Local Similarity 100.0%; Pred No. 3.47-02; Indele 0; Gaps
Matches 14; Conservative 0; Mismatches 0; Gaps
      US-08-887-977-9. rng
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D 001458 standard: DNA; 1161 BP.
C 04158; 450-493 (first entry)
DZ 30-ND-193 (first entry)
DZ 30-ND Sorrelta burgdorferi protein.
NN Virolent: Lyma disease; snrigen; se.
PR KY in burgdorferi BJ.
Coetion/Qualifices
PT cds 7:35_signal 273:227
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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.rng

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PR 38320747A. Anotes Start of intron 16° D2-NAT-1997.

PR 27-NAT-1997.

PR
685..1164
/*tag= c
/number= 16
/note= "Start of intron 16"
```

Ouery Match
Dest Local Similarity 100:04; Pred. No. 3.476+02.
Matches 14; Conservative 0; Mismatches 0; Indels 0;

QQ

US-08-887-977-9.xmg /product= KL-S1_d 106..180 /*tag= b 720..787 Tue Nov 17 08:55:26 1998 signal_peptide misc_feature

primer_bind primer_bind

US-08-887-977-9. Ing

cc amino acide. The truncated protein would include all 4 W-linked
c glycosylation sites present in sol. Ri. but would lack the transcc membrane and cytoplasmic domains: See also 201331-223304 and
c 035011. 15 and 6.
c 95011. 15 and 6.
c 95011. 15 and 6.

Query Match 134, Score 14, DB 3, Length 1239, Beatt Local Similarity 100 04, Pred Mc 3 472+02, Length 1239, Matches 14, Conservative 0, Mismatches 0; Indels

RESULT 197

TO 182337 standard; DNN; 1254 BP.

TO 182337 standard; DNN; 1254 BP.

DE CONT. Term Planchdum falciparum M25 isolates encoding the 41 kD

ENTER TERM Planchdum falciparum M25 isolates encoding the 41 kD

ENTER TERM Planchdum falciparum M25 isolates encoding the 41 kD

ENTER TERM Planchdum falciparum M25 isolates; marorcite antigen; epitope; immunogen;

MA PLANCH ENCODER FALCE TERM FALCH ALGENCY FALCH ALGENCY

(s) of Plasmodium falciparum merozoite antigen, axia vaccines

Page 202

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Page 201

RESULT 195

DO 000200 standard; DRN;

N. D. 19. DA 19. (distant nnty)

DE 19. (distant nnty)

The The The The Total Council of the Teach Council

Query Match 1.39; Score 14; DB 1; Length 1204; Best Local Similarity 100:09; Pred. Ro. 3.474-06; Marches 14; Conservative 0; Mismarches 0; Indels

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NESCONSISTING Standard; DNB; 1229 BP.
A 055013. Standard; DNB; 1229 BP.
DE ML-811.992 (first entry)
DE ML-81.4 Gene.
The Proto-concegons; tyrosine Kinase receptor; c-kit; ligand; mast cell;
TW Srychropojetin; EPO; interleukin; IL, anaemia; leukemia; AIDS;
TW Sreed, dickfe, allele; alle

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Page 203

/ Assign to the control of the contr primer_bind

/label- primer_s4
N09203459-A.
105-MR-1991.
27-ARC-1991. 006130.
27-ARC-1991. 006130.
27-ARC-1990. 08-957483.
05-CCT-1990: 05-957483.
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It differs from genomic DNA in K1 isolates of P. falciparum at 3 codons (2003). Palaciparum at 3 codons (2003). Palaciparum falciparum merozolete antigen can be complete on a daffanty peptide, or adsorbed or covalenty to bonded on a carrier fit, and its destructure, are useful as immunogens in antigen and account account and account account and account account account and account account account account and account acc
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Query Match 1.3%; Score 14; DB 1; Length 1254; Best Local Similarity 100:0; Pred. No. 3.470-02; Matches 14; Conservative 0; Kimmatches 0; Indels 0; Gaps

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RESULT, 199

AC 052011; standard; DNA; 1260 BP.

BY 052011; SO 05-001-190

BY 05-
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Tue Nov 17 08:55:26 1998

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PH 907327700-A.

Ph 13-027-1955.

Ph 13-027-1955.

Ph 13-027-1956.

Ph 13-
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Ouery Match 13% Score 14; DB 19; Length 1263; Best Local Similarity 10%, Pred No. 3.476+02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

171 taacatggtcctgc 184 |||||||||||||||| 783 TAACATGGTCCTGC 796 ð à RESULT 200

To 179199 standard: DNA; 1263 BP.

A 729169.

A 729169.

A 729169.

A 729169.

To 74-7296 (first entry)

To 70-7297 (first entry)

To 70

Tue Hov 17 08:55:26 1998

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RESULT 199
1D 729165 standard; DNA; 1263 BP.
DT 729165 (first entry)
DT 4-705-1996 (first entry)
DT 5-705-1996 (first entry)
DA Adenovirus 1 subtype (Ad-1) fragment, represents residues 1645-2907.
EM Polymerase chain reaction; PCB, amplify; primer; probe; detection;
EM Polymeration; denovirus.
ON Mastadenovirus.

Ocery Match 1.3%, Score 14, DB 3, Length 1260, Best Local Similarity 100,09, Pered. No. 34-9-473, Matches 14; Conservative 0; Minmatches 0, Indels 0; Gaps

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PR PP-149071-A. (**tag* a properties of the prop
from different subtypes of adenovirus using the primer and probe are used in sequence (stem in 1910;7.90 These primers and probes are used in the description in definition of adenovirus. An adenoviral economic probes in the constitution of adenovirus in the constitution are are supplied of inspent is detected. The primers used for the mailties that are service and in the primers used for the mailties that of an adenovirus of adenovirus. The mathematical probes in the constitution of an adenovirus and identification sequence. This is an escoping of adenovirus. 358 (c) 314 T;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 136; Score 14; DB 19; Length 1263; Best Local Similarity 100:04; Pred 180: 3.478-02; Matches 14; Conservative 0; Mismatches 0; Caps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 201

ID GOOSES standard, DRN, 1269 BP.

C 003065; Tevied C  

DIT 10-MAN 1399 (Travied)

DIT 06-UNM 1399 (Travied)

DIT 06-UNM 1399 (Travied)

Emerical Standard DRN, 1269 BP.

RESULT STAND (MINISTER DESCRIPTION OF COCCESSION OF EMERICAL STANDARD DRN EMERICAL STANDARD STANDARD DRN EMERICAL DRN EMERICANDARD DRN E
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Ocery Match 1.3%; Score 14; DB 1; Length 1269; Best Local Similarity 100:04; Pred. No. 3.474+02; Matches 14; Conservative 0; Mismatches 0 indels 0; Gaps

Page 205

Tue Bov 17 08:55:26 1998

US-08-887-977-9.rng

US-08-887-977-9. mg

US-08-887-977-9. zng

Tue Nov 17 08:55:26 1998

8 8

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rrops
the page 51-54; 86pp; Prench.
the nuclocitie sequence encoding the feacue cinnamy! Coa
the clock). Note: this sequence is specifically excluded from the
sequences in the specification, which are the alfalts and make
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 103

10 174138 standard, CDNA to BRNA, 1273 BP.

57 174338 standard, CDNA to BRNA, 1273 BP.

58 174339 (first entry)

59 Feerer (nameny) CoA reductase coding sequence.

50 Feerer (nameny) CoA reductase coding sequence.

51 Inguis biographicals d.

50 Inguis biographicals d.

51 Inguis biographicals d.

52 Inguis biographicals d.

53 Inguis biographicals d.

54 Inguis biographicals d.

55 Inguis biographicals d.

56 Inguis biographicals d.

57 Inguis biographicals d.

58 Inguis biographicals d.

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51 Inguis biographicals d.

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57 Inguis biographicals d.

58 Inguis biographicals d.

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US-08-887-977-9. IN
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171..1174
/rtag= a
/product= p28 protein
171..520
/rtag= b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tue Nov 17 08:55:26 1998
             8888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Page 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PF N09744356-A2.

PR N09744356-A2.

PR N09744356-A2.

PR N09744356-A2.

PR N0974937: 007726.

PR N0974997: 007726.

PR N0974997: 007726.

PR N0974997: 007726.

PR N0974997: 007726.

PR N09748-1999: 0071747.

PR N097499: 0071747.

PR N09749: 007174.

PR N09749: 
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10 76270 standard; DNA; 1276 BP.

11 76270 standard; DNA; 1276 BP.

12 76270 standard; DNA; 1276 BP.

13 76270 standard; DNA; 1276 BP.

14 84.124 standard; Date entry)

15 84.124 standard; promofer; genetic engineering; transgenic; MR Barter; hear resistant; promofer; genetic engineering; transgenic; MR Barter; hear resistant; promofer; genetic engineering; transgenic; MR DATE; 1907004 maturation; da.

15 86.104 standard; promofer; genetic engineering; transgenic; MR OF 05.104 standard; M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCR genes (794534-5). The alfalfa and make CCR genes can be used to transform plants only active cells to creeke transgenic plants in which lighth biosymhesis is required so that lighth content is higher or lower than in normal plants. Sequence 1273 Bp; 256 A; 353 C; 369 G; 245 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amylase.
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1.34, Score 14; DB 35; Length 1273;
Best Local Similarity 100:04, Pred. No. 3.478-02;
Best Local Similarity 100:04, Oli Mimmetches 0; Gaps
Matches 14; Conservative 0; Mimmetches 0 Gaps
                                                                                                                                                                                                                                                                                                                                                                                         No. 2017. 1999 (first entry)

Ruman Rev Ligand retail) partial cDRA clone GJI28.

Ruman Rev Ligand retail partial cDRA clone GJI28.

Reall growth renal could have cell, retail failure; nephritis; and reporting an extender control could be controlled to the control could be controlled to the country of the could be controlled to the country of the country by a plant country a plant country a plant country by a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
2..946
/*tag= a
                                                                                                                                                                                                                                                       RESULT 302

VOORSON STATEMENT STATEM
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Tue Nov 17 08:55:26 1998

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Page 212

Score 14; DB 35; Length 1296; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

ö

Query Match
1.3%, Score 14; DB 33; Length 1276;
Best Local Similarity 100:0%, Pred. No. 3.476-07;
Matches 14; Conservative 0; Mismatches 0; Gaps

RESULT 205 ID T94510 standard; DNA; 1296 BP. AC T94510;

g g

g

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Page 213
  US-08-887-977-9. mg
Tue Nov 17 08:55:26 1998
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PH 10568657-A. //thusl_axcept= pos:992..994, as:Pro  
PH 107.1977 | PH 1
ESSULT 706

ID 799306 standard; DUN; 1236 BP.

TO 8 Anith 1999 (direct nerry)

TO 8 Anith 1999 (direct nerry)

TO 9 Anith 1999 (direct nerry)

TO 111.117 (direct nerry)

TO 111.118 (direct nerry)

TO 1118 (direct nerry)

TO 118 (direct nerry)

TO 118 (direct nerry)

TO 118 (d
```

ő Onery Match 1.33; Score 14, DB 38; Length 1296; Best Local Similarity 100.09; Pred. No. 3.478-02; Indels 0; Gaps Matches 0; Indels 0; Gaps

9 6

Tue Nov 17 08:55:26 1998

Cp 193 AAAAGCAAAGGTG 180

standard; cDNA to mRNA; 1302 BP

g

RESULT 209 standard; oDNA to mRNA; 1320 BP.

10 716091.

11 -NMT-1950 (first entry)

12 T-NMT-1950 (first entry)

13 T-NMT-1950 (first entry)

14 -NMT-1950 (first entry)

15 CTV unclear inclusion a protease cDNA.

16 Potyvitus, nuclear inclusion a; protease reducing protein fusion;

17 Cleavage: chloroliadophenol; glutenhione reducing protein;

18 Cleavage: chloroliadophenol; glutenhione reducing protein;

18 No xidative stress: activated oxygen; therapy; NIs, ds.

A.700-1996 (first entry)
Llergen Alt a 45 protein encoding oDKA.
Lt a 45; Alt a 12; allergen; epitope; interction; immunotolerance; anergy; ds.
termania alternata.

The 45. All a 45. All a 12. Divoctal menocologo LDMA.

Alt a 45. Alt a 12. allegen: peliope: imminoglobulin E: 19E;

Alt a 45. Alt a 12. allegen: peliope: imminoglobulin E: 19E;

Alt a 45. Alt a 12. allegen: peliope: imminoglobulin E: 19E;

Alt a 45. Alt a 12. allegen: peliope: imminoglobulin E: 19E;

B. 15. Alternata.

C. The present experience despitopes from alternata.

C. Alternata.

Ouery Match
1.34; Score 14; DB 20; Length 1302;
Best Local Similarity 100 04; Ped 180-1374-040;
Machan 14; Conservative 0; Mismatches 0; Indels 0;

ö

Gaps

Tue Nov 17 08:55:26 1998

Page 214

US-08-887-977-9. rng

Ouery Match 13%; Score 14; DB 30; Length 1296; Best Local Similarity 10:0%; Pred. No. 3.47-40; Matches 14; Conservative 0; Hismatches 0; Indels 0; Gaps

921 aaaaagcaaaggtg 934

Tue Rov 17 08:55:26 1998

Page 215

Clover yellow vein virus.

Key Cocation/Qualiffers
mat_peptide 10..1311
/*tag= a

PR A09524970-A.

PD 21-7M-1994.
PD 11-3074-1999.
PD 11-30

Query Match
1.3%; Score 14; DB 18; Length 1330;
Best Local Similarity 100:0%; Pred. No. 3.474-02;
Matches 14; Conservative 0; Mismatches 0; Indels (

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74937;
Page 21997 (Light entry)
Description of the control of the RESULT 210
T49371 standard; DNN; 1329 BP.
KC 749371; standard; DNN; 1329 BP.
DD 65-EEP-1997 (first entry)
DE Daucus carcotta hydroxy phenyl pyr
KN 4-14-CEP-27 (methylsupphonyl) DNN
KN 4-14-CEP-27

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. rng
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PT W09533567-A. PERCOLUCT. HPPD
D0-DEC-1996.
D0-DEC-1996.
D0-DEC-1996.
D0-DEC-1996.
D0-DEC-1996.
D1-DEC-1996.
     /*tag= a
/product= HPPD
```

Ouery Match 1.3%; Score 14; DB 31; Length 1329; Best Local Similarity 100.0%; Pred Ro. 3.767402; A77402; Marches 14; Conservative 0; Mismatches 0; Indels 0;

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RESULT 211

NO 021300 standard; DRN; 1344 BP.

NO 021300 standard; DRN; 1344 BP.

NO 02101-192 (first entry)

ENG 10 03-101-192

ENG 10 03-101-192
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PF W0931935-A.

PP 11-070-1393.

PP 11-0

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ö 0; Mismatches 0; Indels Matches 14; Conservative

PER W02207942.A. /*tag= b

PD 14-MKT-1992.
PD 14-MKT-1992.
PD 14-MKT-1992.
PD 14-MKT-1992.
PD 14-MKT-1992.
PD 14-MKT-1992.
PR 110-CT-1990.PR-01257.
PR 110-CT-1990.PR RESULT 213

O23180: An odd ostandard; DNA: 1347 BP. An odd ostandard; DNA: 1347 BP. An odd ostandard; DNA: 1347 BP. An odd ostandard; DNA: 13480: An odd ostandard; DNA: DARDOCCOUR decium VarCattholic resistance gene.

The converged repeats peptidosity an odd ostandard; Transposen; Transposen;

Query Match 1.3%; Score 14; DB 4; Length 1347;
Best Local Similarity 1000; Pred No. 3.474-02;
Matches 14; Conservative 0; Mimmatches 0; Indels 0; Gaps

Page 217

Nov 17 08:55:26 1998

Page 218

/*tag= c /note= *spliced out in KL-2* 660..907

misc_feature

primer_bind

d deleted in Sl_d mutant

primer_bind

primer_bind

/*tag= 9 /label= primer_#3 /note=antisense* 1317..133 /rag= h /label= primer_#4 /note=*antisense* primer_bind

/*tag= i /note= *see comments old_sequence

Jeducoperator, Temporate and Control and C

US-08-887-977-9.zng

Page 220

Page 219

US-08-887-977-9.mg

protein. The different transcripts were found to be expressed in tissue-scriftic manner. et also 022333-022339, 025011, 12, 15 and 16. sequence 1344 BP; 381 A; 289 C; 303 G; 371 T;

Query Match 1.3%: Score 14: DB 3. Length 1344; Ber Local Similarity 100:0%: Pered No. 3.76+02; Marches 14: Conservative 0; Mismatches 0; Indels 0;

Query Match 1.3%; Score 14; DB 9; Length 1344; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

US-08-887-977-9. mg

US-08-887-977-9. III

Tue Nov 17 08:55:26 1998

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PF EP-507100A.

**DE FORT-1992.**
**DE FORT-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
1.3%; Score 14; DB 5; Length 1354;
Best Local Similarity 100.0%; Pred No. 3.47+02;
Matches 14; Conservative 0; Mismatches 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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10 79146; standard; DNA: 1362 BP.

79146; 72144; 72141; DY 12744: 1998 (first entry)

DT 12744:1998 (first entry)

PYCOMACTERIUM tuberculosis stitgen ThEal? encoding DNA.

FOR MALLSen; immunogen; vaccine; tuberculosis; non specific adjuvant;

NA akin testing; M:tuberculosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antigen: immunogen: vaccine; tuberculosis; non specific adjuvant; skin testing: N: tuberculosis; ss.
Kayboacterium: tuberculosis:
Kay
Roy
88: .1122
88: .1122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 14; DB 34; Length 1362;
Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Q20842;
30-ARR-1992 (first entry)
Murine mast cell growth factor cDRA clone mMGP-94.
029262;
03-MAR-1993 (first entry)
Euman calcium channel 27980/4.
Basand platy-10.1.1.1; Ca-flux assay; ss.
Bomo sapiens.
                                                                                                                                                                                                                                          Key Location/Qualifiers
misc_difference 1250
                                                                                                                                                                                                                                                                                                                                                                       /*tag* a /*tag* a /note" 'unknown' /note" (125) / /note" a /note" (unknown' /note" /note" (unknown' /note" 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 216
ID 020842 standard; cDNA; 1360 BP.
Ac 020842;
DT 30-APR-1992 (first entry)
DZ Murine mast cell growth factor o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
1.3%;
Best Local Similarity 100.0%;
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PR 092/01016-A.
PR 092/01016-A.
PR 092/01016-A.
PR 12-207-1930: US-555673
PR 12-207-1930: US-556673
PR 12-207-1930: US-56673
PR 12-207-1930: US-5673
PR 12-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PR 10-787-1993. DE-11256.

PR 10-787-1993. DE-115619.

PR 10-787-1993. DE-116619.

PR 10-787-1993. DE-11669.

PR 10-7
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13%; Score 14; DB 12; Length 1348;
Best Local Similarity 100:04, Pred No. 3.47+07;
Matches 14; Conservative 0; Mimmatches 0, Indels 0; Gaps
                                         RESULT 214

D 078179 and acaddard; CDNA; 1348 BP. According to Control of Con
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.3; Score 14; DB 3; Length 1360; Best Local Similarity 100.0%; Pred. No. 3476+02. Matches 14; Conservative 0; Mismarches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hematopoietin; interleukin; IL-3; c-kit oncogene; mouse;
proliferation; ss.
presilus: mscellus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 19169 standard; DNA; 1362 BP.
AC 791669, standard; DNA; 1362 BP.
C 707-AN-1998 (first entry)
DE Mycokscterium tuberculosis antigen TbRal? encoding DNA.
```

Location/Qualifiers 150..224

Key signal_peptide mat_peptide

RESULT 215 ID Q29262 standard; DNA; 1354 BP.

Tue Nov 17 08:55:26 1998

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Tue Mov 17 08:55:26 1998
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US-08-887-977-9.rng

```
Mycobacterium tuberculosis.
Rey bocation/Qualifiers
CDS 88.1112 |
/product Antigen_TDRA17
```

PH 198799429-A2. /Product= Antigen_TbRal7 |
PH 198789429-A2. /Product= Antigen_TbRal7 |
PH 19878-1997: 10.402-1995: 10.402-1995: 10.402-1995: 10.402-1995: 10.402-1995: 10.402-1995: 10.502

Query Match 1.3%; Score 14: DB 34; Length 1362; Best Local Similarity 100:0%; Pred. No. 3.470-02; Matches 14: Conservative 0; Mismatches 0; Indels 0; Gaps

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RESOUR 219

REMAN-199719 standard; DNA: 1377 BP.

AC 409719.

ANAN-1998 one (first entry)

RM 1-aminoryrolopyropane-1-carboxylic acid deaminase; ACC deaminase;

RM 1-aminoryrolopyropane-1-carboxylic acid deaminase;

RM 1-aminoryrolopyropane-1-carboxylic acid deaminase;

RM 1-aminoryrolopyropane-1-carboxylic acid deaminase;

RM 5-enolopyrolopyropane-1-carboxylic acid deaminase;

RM 5-enolopyrolopyropane-1-carboxylic acid deaminase;

RM 7-print 1-proning - carboxylic acid deaminase;

RM 7-print 1-proning - carboxylic acid deaminase;

RM 7-print 1-proning - carboxylic acid deaminase;

RM 7-print 1-print 1-prin

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PR 31-ACC-1990; US-576537.

PR 13-RDC-1991; US-76651.

PR 13-SEP-1994; US-76661.

PA 1900-SEP-1994; US-76661.

PA 1900-SEP-1994; US-76661.

PR 13-SEP-1994; US-76661.

PR 13-SEP-1994; US-76661.

PR 25-2797148; US-7661.

PR 25-2797148; US-7661.

PR 25-2797148; US-7661.

PR 25-279748; US-7661.

PR 25-27748; US

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RESULT 221
D 02121 standard; DNA; 1377 BP.
C 02121 STANDARD C (first entry)
D 03-MO-1932 (first entry)
D Synthetic class II BESES quest synthase; suppleasate resistant plants;
C 104)PODARD C 104 STANDARD C 105 STANDA

US-08-887-977-9. ID

Query March 137; Score 14; DB 32; Length 1377; Best Local Similarity 10:04; Pred 18:0, 3-67-60; Indela 0; Gaps Marches 14; Conservative 0; Mismatches 0; Indela 0; Gaps

g,

Page 227

Tue Nov 17 08:55:26 1998

Disclosure; Fig 8: 148pp: Engilsh.

CC The sequence is that of a grathetic class II S'-enolpyruvjehilkhate-3 consequence is that of a grathetic class II S'-enolpyruvjehilkhate-3 consequence is that of a grathetic class.

CC 9/Phosate resident plants or seeds by transforming plant cells, these plants can be planted in a fited of crops to selectively control crops. The crops selected for are e. 9; corn, wheat, rice, oilseed rape, blookeco and alfalfa. This provides a cost effective, crops reviscementally competible weed control device.

CC enticommentally competible weed control device.

Sequence 1377 BP; 278 A; 345 C; 355 G; 399 T;

Query Match 1.34; Score 14: DB 3; Length 1377; PBest Local Similarity 100 04; Pred No. 3.476+02. Matches 14: Conservative 0; Mismatches 0; Indels 0;

LT 222 T93791 standard; DNA; 1377 BP. T93791;

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US-08-887-977-9. Ing

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Page 225

Location/Qualifiers
3..1370
/*tag= a
/product= CT4-EPSPS

PR 105702933-A. /PROGUECT CIG-EFFE PR 105702933-A. PR 105702933-A. PR 105702933-A. PR 105702933-A. PR 105702933-A. PR 10570-1991; 10570-19

Onery Match 1.34; Score 14; DB 39; Length 1377; Best Local Shallarity 100; 04; Perd No. 3474-02; Affect No. Marches 14; Conservative 0; Mismetchies 0; Indels 0;

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| RESULT | 220 | Part | 220 | P

02-02-1997 (first entry)
Bress of the second and the second and the second and second an

Location/Qualifiers
3..1370
/*tag= a

US-08-887-977-9. ING

Page 228

The page of the pa

US-08-887-977-9. xmg

Page 229

US-08-887-977-9. zng

Tue Nov 17 08:55:26 1998

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controlled the petula blants. This planed contained the enes for character transit paperiae (CTP2) (027500) and the CP4 synthetic CP5 emolygravit-shifteness phosphica synthetic anticontrolled transit paperiae (CTP2) (027501) and the controlled the Landscopio-properational controlled the Landscopio-properational controlled the CP5 controlled the Landscopio-properational plants had eithylese CP5 evals reduced to about one half that of the control, untransformed plants had eithylese CP5 thousand the CP5 controlled the CP5 c
```

contributed by the herbicide glyphosate. It would be useful to produce transpared crops containing alphosate resistance genes so that the crops containing alphosate resistance genes so that the cross containing alphosate resistance which is to be applied to selectively All cross and alphosate containing alphosate schibits alphosate such that when introduced into a plant, the plant is med elyphosate containing and Epps angue activity is not discreted. The critical sequences which the plant is not discreted. The plant is not discreted the could be immical to propriet present of the gene in plants. These sequences include to programming a compilately as possible these than the containing and compilately as possible these contributed and sequences. The present containing the immical could be immical to the plants. The present claim and contains a compilately as possible these could be promoted, and assayed dery Epps activity, which was found to be sequence 1377 BP; 278 A; 345 G; 359 G; 399 F;

8888888888888888

Ocery Match
1.3% Score 14; DB 35; Length 1377;
Best Local Similarity 100.0%, Pred. No. 3.478-07;
Marches 14; Conservative 0; Mimatches 0; Indels 0; Gaps

g ů,

RESULT 723

10 077201 standard; DRA; 1377 BP.

10 077201 standard; DRA; 1377 BP.

10 074-1993 (first entry)

11 074-1993 (first entry)

12 074-1993 (first entry)

13 074-1993 (first entry)

14 5-encloyruvy1-3-aliklante phosphate synthetase; ACC; ethylene; ACC Synthetase; ACC

Location/Qualifiers 3..1370 /*tag= a

RESULT. 2017

Outery Match
1.3%; Score 14; DB 4; Length 1377;
Best Local Smilarity 100:0%; Pred. No. 347e+02;
Marches 14; Conservative 0; Manatches 0; Indele 0;

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g

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RESULT 124

ID 794469 standard, CDNA, 1393 BP.

DE 794469 standard, CDNA, 1393 BP.

DE 794469 standard, CDNA, 1393 BP.

DE 79469 (first entry)

E Man Standard, Gardentalay regulated in endothelial calls.

F Man Standard, Gardentala Gissena atherospherial calls.

F Man Standard, Man Standard, Gardentala Standard,

F Man Standard, Man Standard, San Standard,

F Man Standard, Man Standard,

F Man
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PR M092121249-A. / riag= a p 23-101-1932.

PD 23-101-1932.

PR 26-101-1932.

PR 26-101-1932.

PR 26-1939.

PR

Page 232

US-08-887-977-9. ING

Tue Nov 17 08:55:26 1998

Page 231

/*tage g //tage //tage //tage //tote *Unidentified nucleotide." /*tag* h /note* *Unidentified nucleotide.*

misc_feature misc_feature

/label= Exon 7. 1058..1410 /*tag= f /label= Intron 7.

intron

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contentified were novel gene for fail and a circulatory flow. Also contentified were novel gene for fail and the contentified were novel gene for fail and the contentified by the content

Ouery Match
1.3%; Score 14; DB 36; Length 1393;
Best Local Similarity 10:0%; Pred. No. 3.478-07;
Best Conservative 0; Mismatches 0; Indels 0; Gaps

W09515975-A1.

W09515975-A1.

PR 27-007-1395; U15428.

PR 27-007-1395; U15428.

PR 27-007-1395; U15428.

PR 27-007-1395; U15428.

PR 1700-1 WAY DECK.

PR 27-007-1395; U15428.

PR 1700-1 WAY DECK.

PR 27-007-1395; U15428.

0.00ery March 1.34, Score 14; DB 24, Length 1410; Best Local Smilarity 100.04, Pred No. 3.47e+02; Indels 0; Gaps Marches 14, Conservative 0; Minatchies 0; Indels 0; Gaps

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291 A; 501 C; 360 G; 256 T;

receptor. Sequence 1410 BP;

| RESULT 225 | RES

US-08-887-977-9. xng

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RESULT 226

AD 7/431;
AD 7/431;
AD 7/431;
AD 11-MAR-1998 (filter tentry)
AD 11-MAR-1998 (filt

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US-08-887-977-9. Eng

US-08-887-977-9.IDG

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Description of the control of the co
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DO 90402 standard; DNA; 1442 BP.

DO 90402 standard; DNA; 1442 BP.

DE 6 NAVA:1995 (first entry)

DE 6 NAVA:1995 (first entry)

DE 7 CONTROL Green Control Trejon.

NA ADDRESS (First entry)

FR FEW 1.1291

FR FOOT 1991 (First entry)

FR FOOT 1992 (First entry)

FR FOOT 1992 (First entry)

FR FOOT 1993 (A-108606.

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16-AR-1933 108606.
15-CT-1933 108606.
15-CT-1933 CA-10606.
15-CT-1933 CA-10606.
15-CT-1935 CA-10606.
16-CT-1936 CA-10606.

                                                                                                                                                                                       etrand with actoric inclarate decautomysjase activity, for use in Claim 1; Fig 1. 2999; English et al. (Claim the genomic library of Enterobecter acrosses From the genomic library of Enterobecter acrosses From transfered with ALDC gene activities of Elosholic beverages, esp. beers. The resulting beverages organization contain little or no diametry, so long-term aging to eliminate diametry foolur is not necessary.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 134; Score 14; DB 2; Length 1431; Best Local Sailarity 100 04; Peed No. 3.774+02; Maches 14; Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         416 accgcagataacga 429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tue Nov 17 08:55:26 1998
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                                                                                                                                                                                                                                                                           PR 21-807-1504; BED123.

PA CENTO-1504; BED125.

PA CE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            To streptococcus permonate Murz protein - useful in screening assays for anti-becterial agents

Claim 2, Rege 21-22; 249p. English

Claim 2, Rege 21-22; 240p. English

Claim 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 134, Score 15, DB 16; Length 1429; Best Local Similarity 100.0%, Pred 186, 8.78+01; Totology Matches 15; Conservative 0; Hismatories 0. Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
1.34, Score 14; DB 15; Length 1442;
Seek Local Similarity 100:09, Pred No. 3.478-02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The putative ALD gene identified in the distall part of chromosome AQ28 and deletions in 1 or several exons in 6 of 65 independent AD28 patients examined. The gene has 10 exons and 9 introns, shown in 0900cm 1442 Bp; 217 A; 492 C; 513 G; 219 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-887-977-9.rng
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D 19953 standard; DRN; 1443 BP.

D 19953 standard; DRN; 1443 BP.

E Periodolyton blosyntherion murE gene.

Periodolyton blosyntherion antibacterial; acreening; assay;

N UDP; 4 cectydmixanoli-L-alanyl-D-glutamate;L-lysine ligase;

S trem peptide; se.

S trem peptide; se.

S trem period; se.

D 03-DE-1997.

D 03-DE-1997.

R 29-MW:1995; 00-65114.

R 29-MW:1995; 00-65114.

R 29-WILT 1995; 00-65114.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for polypeptide and transformed yeast - comprises
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tue Nov 17 08:55:26 1998
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Page 236

Length 1443; Score 14; DB 39; Pred. No. 3.47e+02; 0; Mismatches 0

Ouery Match
Dest Local Similarity 100:09: Pred. No. 3.47+07.07
Matches 14: Conservative 0: Mismatches 0: Indels (

US-08-887-977-9.mg

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RESULT 231
D 0200451
D 020
```

Query Match
1.3%, Score 15; DB 22; Length 1473;
Pred 18 (P. 8. 8.75-64);
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

Tue Nov 17 08:55:26 1998

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(gr)718-33), and yeart Wabble-P450 reductese, either as a test protein or in cell extracts, and analysing the resulting metabolite to assess the affery of the chenical compound. The method is useful for determining whether the chemical compound, or its method is useful for determining whether the chemical compound, or its methodolite, will be converted into accritogenic or margenic form through methodoling in the liver: dequence 1473 BP; 415 A; 435 C; 4313 G; 600 T;
     888888
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Opery Match 13%; Score 15; DB 15; Length 1473; Bast Local Smilarity 10; ON; Pred. Mo. 9:774-01; Indele 0; Gaps Matches 15; Conservative 0; Mismatches 0; Indele 0; Gaps

Page 239

8 B

Query Match 11%; Score 14; DB 3; Length 1450; Best Lough 1450; Pred. No. 3.46+02; Matches 14; Conservative 0; Mismatches 0; Indels

0; Gaps

Tue Nov 17 08:55:26 1998

US-08-887-977-9. ID

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127 233
(09722 standard; ODMs; 1473 BP.
(09722) standard; ODMs; 1473 BP.
(19772) 125-807-1595 (first entry)
(19772) 125-807-1595 (first entry)
(first entry)

/*tag= a /*tag= a /*note= "c to A change in variant 1 changes amino acid from Arg to Lys" /*tag* b /note= "A to G change in warlant 1 changes amino acid from Lys to Arg" variation

Pr-64426.3.
22-WR-1995.
22-WR-1995.
23-WR-1995.
30-WL-1993. 11120.
30-WL-1993. JP-201120.
30-WL-1993. JP-208279.
(GWAVA) RAYASHI K.
(GWAVA) RAYASHI K.
(GWO) SUNITONO CHEM CO. LTD.
(HAYANI KANASHI K.)
(RAYANI KANASHI K.)

Paylockin Add. Active of a chemical cpd. - using recombinant year expression by the control of t

US-08-887-977-9.Ing

Tue Nov 17 08:55:26 1998

Page 237

LT 232 T28391 standard; DNA; 1473 BP. T28391;

US-08-887-977-9. ING

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Tue Nov 17 08:55:26 1998
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Indels
 Mismatches 0;
 ö
 15; Conservative
Matches
```

US-08-887-977-9. rng

Page 242

RESULT 136

PU 778390.

PU 87840.

PU 87840.

PU 87840.

PU 87840.

PU 97840.

PU

Omery Match 1.34; Score 15; DB 22; Length 1473; Best Local Similarity 100,04; Pred Ro. 8.754c01. Watches 15; Conservative 0; Mismatches 0; Indels 0;

Tue Hov 17 08:55:26 1998

Page 244

177 238
09775 standard; CDNR, 1473 BP.
09775 standard; CDNR, 1473 BP.
19.780*1995 (first entry)
19.780*1995 (first expression vector)
19.780*1995 (first expression vector)
19.780*1995 (first extandism; ds. protein; metabolite;
19.780*1995 (first entry)
19.780*1995 (fir

/ rear books to A change in variant 1 changes amino cores to A change in variant 1 changes amino 1150 from Arg to Lys . A to G change in variant 1 changes amino acid from Lys to Arg variation variation

Z2-MAR-1995.

70-70-1993 70-70-1993

Will STIDESTAND AND ACCORDED TO THE STREET OF THE STIDESTAND AND ACCORDING TO THE STREET OF STREET STR

Page 243

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/*tag a //reag in variant 2 changes amino acid from Glu to Val* 4.16

(either as a fused protein or as a cell extract) and analysing the resultant metabolite. The cpd. is considered *safe' if it is detoxified or not render extringents or 'unsafe' if it is not detoxified or is metabolised to a extringentic cpd.
Sequence 4473 RP: 424 A: 335 C; 313 G; 401 T;

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Query Match

1.3%; Score 15; DB 22; Length 1473;

Best Local Similarity 10:0%; Pred 18:0 8.78+02;
Matches 15; Conservative 0; Mismatches 0, Indels 0; Gaps

RESOLT 235

Definition of the companies of the companies

Query Match 1.3%; Score 15; DB 20; Length 1473; Best Local Similarity 100.0%; Pred. No. 8.37e+01;

Tue Nov 17 08:55:26 1990

DESCUIT 237

AC 007724.

DE Manna auxiliara (first entry)

DE Hamon auxiliara (first entry)

RW PRART NOTPO-1903 (first entry)

RW PRART NOTPO-1903 (first entry)

DE HAMON AUXILIARA (first entry)

DE HAMON AUXI

Query Match 13%; Score 15; DB 15; Length 1473; Best Local Similarity 100, Pred. No. 8.376+01; Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

```
RESULT 140
D 73347 standard; RRM; 1481 BP.
AC 73347 standard; RRM; 1481 BP.
D 69-607-1956 (first estry)
D 70 847-1956 (first estry)
D 848-1950 MR sequence.
RR Hammerhead riborage, source promyelocytic leukamia; APL;
RR 1950 MR 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.3%; Score 15; DB 22; Length 1481; Deer Local Similarity 80,0%; Pref. No. 93.78+01. Batchee 12; Conservative 3; Mismatchee 0; Indels 0;
                                      US-08-887-977-9. rng
                                                                                                                                                                                                                                              Length 1481;
                                                                                                                                                                                                                                     Score 15; DB 22; Length 1481
Pred. No. 8.378+01;
0; Mismatches 0; Indels
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Best Local Similarity 100.0%;
Matches 15; Conservative
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ID T44067 standard; cDNA; 1507
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                            Page 245
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                                                                                                                                                                                                        CC The vectors are used in a method for evaluating the safety of a chemical compound by rescribing the chasical compound with recombinating produced compound by rescribing the chasical compound with recombinating produced comman optochome P450 molecular species 1A2 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (687715). 221 (6
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PD 12-DEC-1996.

PD 12-DEC-1996.

PR 06-3704-1995: U09460.

PR 06-3704-19960.

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The statement of the country of 
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                   US-08-887-977-9.zmg
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ID 713260; Standard; CDNA: 1481 BP.

DF 713260; Standard; CDNA: 1481 BP.

NAR-11Da DNA sequence.

ENR RAILPAD DNA sequence.

ENR SAPERATE STANDARGE SACTOR STANDARGE STANDARGE
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PERS-1997 (first entry)

RASP-11 regeneration gene up-regulated in regenerating liver.

RASP-11 regeneration-associated scriptn 1: liver: othrhosis;

Repetons: transgenic animal; disgnosis; gene therapy; ss.

Rome sapiens. LocationQualifiers

40..1350

Ges
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40..99
/*tag* b
100..1347
/*tag* c
1488..1494
/*tag* d
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Page 248

Page 246

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PH W09107404-A1.

PD 27-FED1957.

21-AGC-1995.

21-AGC-1996.

21-AGC-199 0g-JMW-1998 (first entry)
TEEP-1 coding sequence coding sequence in the promoter PDI mayor histocompetability complex; MRC Class I molecule; nammalian cell; requistor; sutchimmum disease; transplant rejection; therapy; non-thyroid autoimmum disease; Sox-4; TGEP-1 protein; da. Ratta xattus. Location/Qualifiars ils. 1086 ils. 1086

Score 15; DB 34; Length 1512; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match 1.3%; Best Local Similarity 100.0%; Matches 15; Conservative

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Outery Match 1.3%; Score 15; DB 25; Length 1507; Peat Local Similarity 100.0%; Pred Roc. 9.734e/0.1 Matches 15; Conservative 0; Mimmatches 0; Indels 0;

RESULT 242 ID T59845 standard; DNA; 1512 BP. AC T59845;

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7 eggtetcactggtet 21

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. TB

Cp 1063 CGGTCTCACTGGTCT 1049

RESULT 243

ID T80107 tendedrd; CDNA; 1516 BP.

A 180107; 197 (first entry)

E Amman KF-1 gene clone KF18; -2.

FR OT-DEC-1995; JP-3465073,43.

FR (SUMD) SUMITONO SETTEN KK.

FR Amman KF-1 gene clone FR-1 gene clone TF-1 gene clon

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Ocery Match 13%; Score 14; DB 14; Length 1526; Best Local Similarity 100:04, Pred. No. 3-478-02; Matches 14; Conservative 0; Mismatches 0; Caps ŏ g

RESULT 244

RESULT 244

D G06594; atandard, DNN; 1530 BP.

To 906594; Girat entry)

To 24-007-1995 (first entry)

To condida tropicalis pK733; iscoitrate lyase promoter sequence.

KN Condida tropicalis pK733; iscoitrate lyase; ICL; promoter;

KN Condida tropicalis pK733; iscoitrate lyase; ICL; promoter;

KN CONDIGATION (AND PROMOTE)

TO CONDIGATION (AND PROMOTE)

TO 24-007-1999; 209905;

PR 24-007-1999; 209906;

PR 24-007-1999; 209906;

PR AND PS-1399006;

PR AND PS-1399006;

PR AND REPUBLISHER MASH CORP.

; ys-135yov,ro. expression-controlling DNA and an expression vector contg. the

Tue Nov 17 08:55:26 1998

US-08-887-977-9. xmg

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PH W0800188-A.

PH 20-07-1986; 102782.

PH 20-07-1986; 102-108.

PH 20-07-1986; 108-10871.

PH 20-07-10871.

PH 20-07-10

NUMBORY:
39-DE-1990 (first entry)
Sequence of the 1'-red of the human glucocorticoid receptor beta cDNA (Deta-160)
Hormone receptor; hormone-binding; transcription activation; ss. Home sapies. Location/Qualifiers

Length 1540; Query Match 13%, Score 15; DB 2, Length 1540; Best Local Similarity 100:03; Pred. Rs. 8.370+01.
Best Choca 15; Conservative 0; Mismatches 0; Indels Mismatches 0.

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Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

Page 250

PP DNA. useful for the preparation of heterologous proteins PP CLAIA 2: Page 10; 14pp. Apanese. Consists a codes R1256 Candida tropicalise pt33 isocitate lyses Confered a reduce a representation of the Claimed promoter sequences of 80569 are preparations of the chaimed promoter sequences of 8059 are preparations of proteins and an euclaim the preparation of heterologous Components in substrayout and prokaryout on the preparation of heterologous of proteins in substrayout and prokaryout best cells.

ö Query Match 1139; Score 14; DB 15; Length 1530; Best Local Similarity 100:09; Peter No. 3.476+02; Matches 14; Conservative 0; Mismatches 00; Indels 0; Gaps

RESULT 245

DD 022204 standard; ODND, 1533 BP.

MO 702204

MILLE mast cell growth factor cDRA clone mMcP-94'.

MILLIAND SATE COLUMN SATE C

Wew isolated DRN encoding human mast cell growth factor - useful in ethinalsting proliferation of hemotopietic cells with growth factor. District the proliferation of hemotopietic cells with growth factor. District the Proliferation of hemotopietic cells with a processing properties of the prediffication and is said for cresponds from a long made and the operations of the specification (see also 0700412 and 072107.

Sequence 1533 BP Se also 0700415 and 072107.

ö Query Match 1.3%; Score 14; DB 3; Length 1533; Best Local Similarity 100.0%; Pred No. 3.47+02; Matches 14; Conservative 0; Mismatches 0; Candal 0; Gaps

US-08-887-977-9. mg

Tue Nov 17 08:55:26 1998

Page 251

RESULT 247

In 567063 standard, DRN, 1548 BP.

A 67063.97

A 72063.97

A 72063.77

A 72063

ô Query Match 13%; Score 14; DB 30; Length 1548; Best Local Similarity 100:0%; Pred 100 3.476+02; Indels 0; Gaps Matches 14; Conservative 0; Mismatchies 0. Indels 0; Gaps

RESULT 248 24 128999 standard; CDRA; 1555 BP. 27 128999; 37 (first entry) DE RUMAN GABA-A receptor delta subunit CDRA;

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ESSUIT 250
D GODIL: standard; DNA; 1559 BP.
D GODIL: standard; DNA; 1559 BP.
D 22-AGC-1990 (first entry)
DE DNA sequence of gene encoding 38hD antigen of Treponema hyodysenteriae:
DE (T. M.) Pro.) Pro. | P
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PF 16-MAY-1999.

PF 16-MAY
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PF USY137819-A.
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Best Local Similarity 100:04; Pred. No. 3.47-602;
Marches 14; Conservative 0; Mismarches 0; Indele 0; Gaps
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Score 14; DB 1; Length 1560; Seef Local Similarity 100:04; Pred 18:0. 3.47+0.7; Matches 14; Conservative 0; Mismatches 0; Gaps
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additional ORM strain of 35659 and encoding procein R48638, was isolated
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Location/Qualifiers
1..906
/*tag* a
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/*tag= c
392..952
/*tag= d
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DO 00802 standard; DNA: 1560 BP.

CO 00802 standard; DNA: 1560 BP.

DE PARTON; 1590 (first entry)

DE PARTON; 1590 (first entry)

ENT. Of 1500 Maniel posMar conty at a int, and att sequences.

FI Code 1500 Maniel posMar conty at a int, and att sequences.

FI Code 1500 Maniel posMar conty at a interaction sequence. Actinomycetes; posMar; ss.

FI Code 1500 Maniel posMar conty at a interaction at a int
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A cDNA close (T18889) codes for the delta subbuilt (R97399) of the human child.

A cDNA close (T18889) codes for the delta subbuilt (R97399) of the human child.

DNA using a probe generated from human hippocampus constructed from the brain cDNA using primars (see also T18996-9); based on the rat delta sequence. The cDNA can be incomposited into a vector and used to direct expression of the coll and a reput construction of the coll and 
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No. 3.479-0; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match
1.34; Score 14; DB 24; Length 1559;
Best Local Similarity 10:0; Pred. No. 3.47-672;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gape
                   US-08-887-977-9. Eng
                                                                                                                                                                                                                    GABA-A receptor; gamma-aminobutyric acid; delta subunit; ss.
Homo sapiens. Location/Qualifiers
Key 47..1405
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AD 004006; atandard; DNA, 1559 BP.

AD 004006; atandard; DNA, 1559 BP.

AD 10-879-1990 (first entry)

DE Aberar tuston arem cell leukaemia (SCL) gene.

NW Stem cell leukaemia; leukaemia (SCL, AMI, ALL).

NW Aberaropoletic; aplastic anemias; ds.

PH Rey Location/Qualifiere

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/*tag= d
/product=38kD antigen
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47..1405
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Page 256

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US-08-887-977-9.xmg

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Page 257

ö Gaps

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Best Local Similarity 100.0%; Pred. No. 8.37e+01; Matches 15; Conservative 0; Mismatches 0; Indels

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from a phage lambda-gril mouse embryo obki library. DNA of sequence 05659 was located from a mouse genemic phage library using tex obx as probe, and included the transcriptional regulatory clament of tex comprassing the infittation cooden and untranslated sequence. The element may be used in gene therapy to introduce foreign genes fequence listo by the coordinate of the confict of the coordinate of the co
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Ouery Match 1139, Score 14, DB 10; Length 1190, Best Local Similarity 100:04) Perform No. 3.4-02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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7 108109119-1.

PR 108109119-1.

PR 1007F1-1984. 21780.

PR 112-077-1984. 21780.

PR 112-077-1986. 21780.

PR 112-077-1986. 21780.

PR 112-077-1986. 21780.

PR 112-077-1986. 21780.

PR 112-077-1986.

PR 112-0

Query Match | 1.3% Score 15, 18 23; Length 1593; Best Local Similarity 100.0%; Pred No. 8.79+01. Matches 15, Conservative 0, Minmatches 0; Indels 0; Matches

RESULT 255 ID N90733 standard; DNA; 1599 BP. AC N90733;

ä

RESULT 154

10 173193; etandard, CDRA to mRNA; 1533 BP.

AC 173193; etandard, CDRA to mRNA; 1533 BP.

AL ACCOUNTS AND CONTROL TANASCEASE-III gene, inhibitor of metastasis.

BE ACCOUNTS AND CONTROL TANASCEASE-III metastasis inhibitor; cancer;

MA CHARLES AND CONTROL TANASCEASE-III metastasis inhibitor; cancer;

MA CHARLES AND CONTROL TANASCEASE AND CONTROL CONTROL CONTROL TANASCEASE AND CONTROL TANASCEASE AND CONTROL CONTROL CONTROL CONTROL TANASCEASE AND CONTROL CONTROL CONTROL CONTROL TANASCEASE AND CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL TANASCEASE AND CONTROL CO

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Query Match

1.3%; Score 15; DB 35; Length 1593;

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18-378-1990 (first entry)
Genomic DNA from Plasmodium falciparum KI isolates encoding the 41 kD
marzoolte antigen.
Plasmodium falciparum KI isolate, merozoite antigen; epitope; immunoge
anti-malaria vaccine; passive immunisation; malaria diagnosis.
Plasmodium falciparum.

Location Qualifiers
Location Qualifiers
346.1434

(*tage a files and the second conflict conflict

/ tag= C // core="Differs from cDNA from M25 isolate P falciparum" 949. 1952 conflict

/*tag= a /note="Differs from cDNA from M25 isolate of P. falciparum"

PF P109769.

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PF 1074001

Query March 1.3%; Score 14; DB 1; Length 1599; Best Local Similarity 100:0%; Pred No. 3.478-02; Indept 0; Gaps Marches 14; Conservative 0; Himmatches 0; Gaps

a

Tue Nov 17 08:55:26 1998 Page 259 ESCUIT_156

DE CONTROL 1800 SEARCH 1801 BP.

DE CONTROL 1800 SEARCH 1801 BP.

DE MOUSE TYPOTOMINE KINSER (TAK') 1.6 th CDNA.

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Ouery Match 13%, Score 14; DB 11; Length 1601; Best Local Similarity 100:0%, Pred. No. 3.474-602; Marches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 257 ID V04252 standard; cDNA; 1604 AC V04252;

Page 260

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PR 27-35219-A.

PR 27-37219-A.

PR 27-3721-1989: US-37721.

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                                                                                                                                                                                                                    Outery Match
Dest Local Similarity 10.0.9; Peter 6.1, 108 13; Length 1641;
Dest Local Similarity 10.0.9; Peter 8.0, 140-402;
Matches 14; Conservative 0; Minantchies 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.3%; Score 14; DB 34; Length 1641; Ber Local Similarity 100; 04; Pref. No. 347e-02; Makeches 14; Conservative 0; Mismacches 0; Indels 0;
                       US-08-887-977-9. ING
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-887-977-9.rng
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00.0019 standard; DNA: 1641 BP.
08.0119; cfirst entry)
10.400-1995 (first entry)
10.400-1995 (first entry)
10.400-1995 (first entry)
10.400-1995 FF.506 binding protein allograft rejection;
10.400-1995 FF.506 binding protein; allograft rejection;
10.400-1995 FF.506 binding protein;
10.400-1995 FF.
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NO 90355 stendard: CDNA; 1638 BP.
NO 90355 stendard: CDNA; 1638 BP.
NO 19-18-1994 (first entry)
DE 00-18-1994 (first entry)
NY Long-distance homology; evolution; nematode;
NY Alzheimer's disease; coll death gene; PCR; polymerase char
NY Grona intersitatis; echinodern; lamprey; puffer fish;
NY mammal; probe; sa.
OS Caenorhabditis briggase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CC the diagnosis of Alzheimer's disease.
SQ Sequence 1641 BP; 489 A; 306 C; 351 G;
                                                                                                                                                                                                 91..198
/*tag= b
199..1534
/*tag= d
/*product=Bat-PA(H)
/notc="Claim 12"
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141..1208
/*tag= a
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                       Tue Nov 17 08:55:26 1998
                                                                                                                                                                                                 sig_peptide
                                                                                                                                                                                                                                                                                      mat_peptide
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                       Page 261
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DE NET gene open reading frame.

NA Altheirar's disease NR-1; human; mouse; NR961 gene; antibody; sa. B Marchinar's disease.

NA Altheirar's disease.

PA 19-70213495.

PP 19-702-1995; DP-14659.

PR 07-DESC-1995; DP-14659.

PR 07-DESC-1995.

PR 07-DESC-1
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PD 14-0c7-1939.
PD 14-NP-1939. 003102.
PR 01-NP-1939. 003103.
PR 01-NP-1939.
PR 01-NP-1939. 003103.
PR 01-NP-1939.
PR 01-NP-193
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13%; Score 15; DB 39; Length 1604;
Best Local Similarity 100:0%; Pred. No. 8.178+01;
Matches 15; Conservative 0; Mimmatches 0; Gaps
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Q00543 standard; CDNN; 1620 BP.

Q00543 TUTU-1990 (first entry)

Vampire be plasminogen activator gene.

Nampire be plasminogen activator; vampire bat; Bat-PA(I); Bat-PA(H);

Bat-PA(L); thromblytic therapy; 89.

Resodus rotundus.

Key

SST 1554

AL 1554

AL 1554
                                                                                                                                                  05-JUN-1998 (first entry)
Rid tomac ogritensferace CDRA.
Rid tomaco; acyltensferace cDRA.
Rid tomaco; acyltensferace; purcope palmitoyl ester;
glucose acyl eter; pest repellent; emulsifier; emollient; da.
Key operation pennelli.
Key GES 55. Liso/Qualifiers
55. Liso/Qualifiers
       US-08-887-977-9.zmg
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cómetics.
Sequence 1604 BP; 515 A; 298 C; 325 G; 466 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /*tag= a
/product= ced-4_gene_product
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/product= acyltransferase
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1..1638
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/note="Claim 11"
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LD 00

LD 00

DZ 17

DZ VA

KW 71

KW BA

KW BA

KW FT

CH FT

CT

FT
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US-08-887-977-9.rng

Tue Nov 17 08:55:26 1998

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No Utius; agnoprotein; VP23; VP231; VP3; contour protein;
No progresive multifocal leukoencephalopathy; ss.
OS JC Virus.
No UTIUS.
No VIVIS.
No No VIVIS.
No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PR MR. mol. encoding human nuclear factors of activated T cells -
present for screening potential thropeutic and diagnostic agents for
limite sprace diseases 5556, 6ppp. English
R Panchauser Page 5556, 6ppp. English
R Anchauser Page 
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M. T16092 standard; cDNA to mRNA; 1650 BP.

M. T16092 standard; cDNA to mRNA; 1650 BP.

M. T16092 standard; cDNA to mRNA; 1650 BP.

M. M31-7 percurer CDNA dlong all.

M. M31-7 per
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1.3%; Score 15; DB 38; Length 1650;

Best Local Similarity 100:0%; Pred No. 8.77+01;
Matches 15; Conservative 0; Mismatches 0; Caps
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Best Local Similarity 100 09, Pred 80. 347e+02; Annels 90; Gaps
Matches 14; Conservative 0; Hismatches 0; Indels 0; Gaps
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P-PSDB 902535.
universely a second of activated f cells -
tuneful for acreening potential therapeutic and diagnostic agents for
tuneful for mercening potential.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 266

ID 756871 standard, CDN1, 1662 BP.

DI 756871 standard, CDN2, 1662 BP.

DI 16870-1996 (first entry)

Entranging for certivated T-cells NRPT NRANG;

ENTRANGE Actor Continued T-cells NRANG;

ENTRANGE ACTOR CONTINUED NRANGE Actor Continued T-cells --

FINE P-FDS NRANGE ACTOR CONTINUED 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tue Hov 17 08:55:26 1998
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PR HO9117174-A.

PR HO9117174-A.

PR HO9117174-A.

PR HO9117174-A.

PR HO91774-A.

PR HO91774-A
DO 101835 standard; CDNA; 1642 BP.

AD 01835.

AD 01835.

AD 17-FEB-1922 (first entry)

BD Human sarrotonia receptor-encoding gene 8-10-84.

MA 0-protein; 5-hydroxytryptamine; ss.

MA 0-protein; 5-hydroxytr
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PR (50AF) SINTRO CO. III.

PR (50AF) SINTRO CO. 
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1.34, Score 14; DB 17, Length 1650;
Best Local Similarity 1000; Pred. No. 3.476-02; Indels 0; Gaps
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 265

AC 178871; AC 187871; AC 187871 etndard; cDNN; 1662 BP.

AC 178871; AC 187871; AC 187871; AC 187871 etndy CDNA.

THEN TREATHER TOTOR OF CHITACH TOTOR AC 187871; NRATGO;

WHIND TENDET PRIOR CHITACH TOTOR OF CHITACH AC 187871; NRATGO;

WHIND THE ACTOR OF CHITACH TOTOR OF THE AC 187871; 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-887-977-9.rng
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ID 791738 standard; DNA; 1650 BP.
AC 791736;
DT 20-ARR-1998 (first entry)
DE JC virus DNA fragment.
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Score 14; DB 33; Length 1667; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Gaps Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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RESULT 268

AC 14334, tandard; cDNA; 1670 BP.

AC 14334, tandard; cDNA; 1670 BP.

AC 14334, tandard; cDNA; 1670 BP.

BO G-MAR-1997 (first entry)

BO G-MAR-1997 (first entry)

BO G-MAR-1997 (first entry)

WA thereap; databatis immunogen; vaccine; genetic immunisation; ulcer;

WA thereap; databatis immunogen; vaccine; genetic inconting sequence in yellow the invention (Claim 5)

FT adgrad_peptide 733. and the invention (Claim 5)

FT adgrad_peptide 733. and databatis protein coding sequence in yellow the invention coding sequence in yellow.
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Tue Nov 17 08:55:26 1998

Page 271

US-08-887-977-9. rng

Page 272

782..785
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//15.157 /*tag= e /nctg= "primer HP30N binding site" /htag= f/tag= f/ncte= "primer HP30C binding site" signal_peptide mat_peptide primer_bind primer_bind rbs

PT W0953817-A1.

NODE-1996.

DE COURTS SECURITY OF THE PROOF SECUR

Gaps Score 15; DB 25; Length 1670; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match Best Local Similarity 100.0%; Matches 15; Conservative

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250 gggataaagaaacca 264 a

US-08-887-977-9.rng

preferred for use in constructs of the invention (Ciaim 5).

compliant (522.540)

/note primer HP30N binding site*
1648.1667.*

/note primer HP30C binding site* primer_bind primer_bind

Opery Match

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RESULT 189

In TA1815 standard; CDNA; 1670 BP.
An TA1815 standard; CDNA; 1670 BP.
An TA1815 standard; CDNA; CLIRAT entry)
DE Helicobacter: pylori surface-exposed 19 NDa antigen CDNA.
NW Antierspy, disposal immorpen; wacchine; genetic immunisation; ulcer;
NW Antierspy; disposal immunisation; ulcer;
NW Antierspy; ulcer; u

UB-08-887-977-9. IDG

Page 269

Tue Nov 17 08:55:26 1998

A cDMN sequence (T5697) comprises the y'end of human nuclear factor of activated T-cells cleared (NAY end of human conding for maino acids 700-1068 (WOOZS) _ Ocher - Lasso of NAYA conding for maino acids 700-1068 (WOOZS) _ Ocher - Lasso of NAYA conding for maino transcript was most bulmudur. The major interface Town NAYA capession are in selected from CDMN libraries prepd. from the rel soluted from CDMN libraries prepd. from the NAYA conding with a problem on the rel shallarity residuo for he marine NAYA gene and prince can be used for profin of recombinant NAYAs. as probes and princes and (esp. matisense) to mediate cellular expression or intracellish sequence 1662 BP; 401 A; 418 C; 154 G; 489 T; #8888888888888888

Query Match
1.34; Score 14; DB 23; Length 1662;
Bet Local Similarity 100:04; Pred No. 3.67-02;
Matches 14; Conservative O; Mismatches O; Caps

8 8

RESULT 267

The control of the contr

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US-08-887-977-9. IDS

650 GGGATAAAGAAACCA 636

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PR 07-NAV-1999.

PR 107-NAV-1999.

PR 107-NAV-19
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PD 11-MAY-1991

PD 21-CAT-1992; G02227.

PR 29-CCT-1992; G0-20217.

PR 29-CCT-1992; G0-20217.

PR 29-CCT-1992; G0-20217.

PR 62-CT-1992; G0-20217.

PR 72-CT-1992; G0-2022.

PR 72-CT-1992; G0-2022.

PR 72-CT-1992; G0-2022.

PR 72-CT-1992; G0-2022.

PR 72-CT-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-887-977-9. rng
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cranial nerve injury, spinal cord injury; Down's syndrome;
exceptal palsy; Lyme disease; muccular dystrophy;
myasthania gravis; tumour; therapy; ss.
Romo sapiens.
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15-007-1994 (first entry)
Transcription factor DP-1.
Transcription factor; DP-1; ZZP-1; proliferative disease;
cancer; gene therapy P9-E0; as.
Hus sp.
                                                                                                                                                                                         Location/Qualifiers
175..1377
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55..1284
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PD 18-ANX-1396.

18-ANX-1396.

10-OUT.1994. GB-01337.

PR 01-OUT.1994.

18-ANX-1396.

18-ANX-13
                                                                                                RESOUR 270
ID 022055 standard; CDNA; 1689 BP.
AC 022055 standard; CDNA; 1689 BP.
D. Marine mast cell growth factor CDNA clone mMGP-10'.

REMINION mast cell growth factor collection mast cell growth factor - useful in PR 10-NUM-1980; US-55145.

REMINION DESCRIPTION CONP.
REMINION DESCRIPTION MAST CONTRACT CO
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10522; standard; cDNN, 1700 BP.

10542; standard; cDNN, 1700 BP.

10542; standard; cDNN, 1700 BP.

10542; standard; standard; cDNN, 1700 BP.

10542; standard; stand
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IN VOOSZI standard; CDNN; 1699 BP.
AC VOOSZI standard; CDNN; 1699 BP.
AC VOOSZI standard; CDNN; 1699 BP.
BLUMB REL ligand retal SOND
BE REL ligand; RetLi, RetLij; receptor; signal transduction; human;
KW RetLigand; RetLi, RetLij; receptor; signal transduction; human;
KW RetLigand; RetLi, RetLij; receptor; signal transduction; human;
KW Addreg translucion; soot amurone disease; multiples soleroseis;
KW Addreg translucion; mooto amurone disease; multiples soleroseis;
KW Addreg translucion; mooto amurone disease; multiples soleroseis.
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Page 276

Th 218.

1810012 standard; DNA: 1702 BP.

1810012 (first entry)
Sequence encoding borine leukocyte interferon (IFW) -alpha-4 on
plasmid subclone 9538000RT-BankT 2:9 kb.
Antivital; cancer; therapy; immunosuppression; tumour; ss.

Query Match
13%; Score 14; DB 19; Length 1700;
Best Local Similarity 100:0%; Pred 18:0 3-478-0; Indels 0; Caps
Matches 14; Conservative 0; Mismatchies 0; Caps

RESULT 273 ID Q65344 standard; cDNA; 1700 BP.

a

Key
Signal_peptide 585..653
Ant_peptide 654..172
Mat_peptide 654..172
/*tag= b

mat_peptide EP--88622-A.

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77 304311300. Areage a property of the control of t
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M. Trisla standard; ODM: 1719 BP.

M. Trisla standard; ODM: 1719 BP.

M. L-aparaginase; antitumour; cancer: lymphoma; leukaemia; therapy;
M. L-aparaginase; antitumour; cancer: lymphoma; leukaemia; therapy;
M. H. Trisla S. T
                                                                                                                                                                                                    PR 27-109862-A.
PR 27-109862-A.
PR 20-282-1389; 115168
PR 20-282-1389; 125168
PR 20-282-1389; 125168
PR 20-282-1389; 125174
PR 20-282-138
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A cDMA close (73390) Codes for novel human G-protein coupled receptor (73390) Codes for novel human G-protein coupled receptor GPM1 (MGC444). It was discovered in a cDMA library derived from a human 9-Yk embryo. It may also be lacatted from the human breast. cDMA clones for GPM1, GPM2, GPM3 and GPM4 (see also 73390) CSS can be willised in the produ. of receptorisms G-protein coupled receptors (see also WG4454-7) in e.g. E. coll, CGS or insect cell hosts. The control of mutations in GPM genes that may lead to tumours and cancers, or utilised in GPM genes that may lead to tumours and sequence 1713 BPP in 395 A; 460 C; 335 G; 496 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-887-977-9. xmg
        US-08-887-977-9. rng
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10 098212 193 (first entry)
DE TAR encoding CD dissociation stimulatory protein.
DE TAR ENCODING CONTROLL STILL 
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133000 standard; CDNN, 1713 BP.

13300 standard; CDNN, 1713 BP.

13300 standard; CDNN, 1713 BP.

13300 standard; CONN, 1713 BP.

13300 standard; CDNN, 1713 BP.

134000 standard; CONN, 1713 BP.

1440000 standard; CONN, 1713 BP.

15500 standard; CONN, 1713 BP.

1560 standard; CONN, 1713 BP.

1570 standard; CONN, 1713 Standard; Standar
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880755 standard; DNA; 1704 BP.
180759 (first entry)
Groundhuut stilbene synthase CDNA
Stilbene synthetaes; stilbene synthase; groundhut; pGS 828.1;
pest resistant plant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GTP) binding protein. The DNA may be used to mass produce the protein using genetic engineering techniques. See also Q29233-Q29237, Sequence 1765 BP. 550 A; 316 C; 400 G; 440 T;
        US-08-887-977-9. Ing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels 0;
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196..564

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566..1555

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PR 199739014-A.1.

PR 199749014-B.1.

PR 199749014-
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ID 199220 standard; DNA; 1764 BP.

ID 199220 standard; DNA; 1764 BP.

ID 199220 standard; DNA; 1764 BP.

IN 199220

IN 1
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Best Local Similarity 100.0%; Pred. No. 3.47e+02;
Matches 14; Conservative 0; Mismatches 0; Indels
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Location/Qualifiers
31..1797
/*tag= a
/note= *claim 19, page 55* 891 cerceaerdere 904 È

Programmer Programmer Control of the page 55*

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Owery Mach Beat Loats Similarity 100 09; Pred No. 1478+02; Indels 0. Gaps Machos 14; Conservative 0; Himmethes 0; Indels 0; Gaps

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PR W0311510-A.

M0311510-A.

D17-07-1931.

PD 17-07-1931.

PD And the state of t

Omery Match 1.3%; Score 14; DB 3; Length 1779; Best Local Similarity 100:04; Pred 18:0. 3.47-0.3; Todals 0; Gaps McChes 14; Conservative 0; Mismatches 0; Caps

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775 TCTGACAAGCCAGA 762

Property Mission of the control of t RESULT 280

10.1440. standard: DNA. 1767 BP.

10.1450. standard: SNA. 1767 BP.

10.1500. standard: SNA. 1767 BP.

10.1450. standard: SNA. 1767 SNA. 1767 BP.

10.1450. standard: SNA. 1767 SNA. 1767 SNA. 1767 SNA

Query Match 134, Score 14, DB 3, Length 1767;
Matches I Similarity 100:09, Pred 190. 2, 147-00, 100.
Matches 14; Conservative 0, Kiamatches 0; Indels 0, Gaps 0;

726 octgcactgctgcc 739

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US-08-687-977-9. xxg

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PR W0973165-A1.

PR 01-701-1997.

PR 01-701-1997.

PR 11-702-1995: (ACO56).

PR 11-702-1995: (ACO56).

PR 11-702-1995: (ACO56).

PR 11-702-1995: (ACO56).

PR 12-703-1995: (AC
Buman integrin-linked kinase (ILK) CDNA.
Integrin-linked kinase; ILK: serino/thronice kinase; cell growth;
clicostin-linked kinase; ILK: serino/thronice kinase; cell growth;
gene therapy; diagnosis; cancer; leuksemia; tumour; inflammation;
serintitis; osteoporosis; cardiovascular disease; se.
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SQ Sequence 1829 BP; 533 A; 407 C; 361 G; 528 T;
                                                                                                                                                                                                                                                                                               Location/Qualifiers
157..1512
/*tag= a
1749.1754
/*tag= b
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ID Tili375 standard; cDNA; 1829 BP.
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P. Rev isolated eventhome P450 2c subfamily member - used for identifying drugs metabolited by S-mephanycon 4 - hydroxylase per statistic for develop other accreming assays

P. Stample 1: Page 101-02. 165pp. English.

P. Stample 101-02. 165pp. English.

P. 
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                                  RESULT 183

ID 046891 standard, CDNA; 1781 BP.

O46891.

OF 57-Ma:1994 (first entry)

EDNA clone encoding ICAM-R.

NE transplant rejection; as.

SE STAN-1994 (first entry)

DE 57-Ma:1994 (first entry)

DE 57-Ma:1995

DE 67-Ma:1995

DE 57-Ma:1995

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09-SEP196 (first entry)
09-SEP196 (first entry)
Cytochrome P460 Cd 941d type coding sequence.
Cytochrome P460 Cd 941d type coding sequence
statesospecific S-mephenytoin 4'-hydroxylase activity; polymorphism: a
Roy apliens. Location/Qualifiers
2.1474
048
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Best Local Similarity 100.0%; Pred. No. 3.47e+02;
Matches 14; Conservative 0; Mismatches 0
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/product= Cytochrome P450 C8
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10 T71716 standard; cDNA; 1786 BP.
AC 171716;
DT 29-SEP-1997 (first entry)
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PER FR2696189-1.

PD 01-MP-1991.

PD 01-MP-1992.

PD 01-MP-199 NESULT 186

D 66400s standard: CDNB, 1833 BP.

D 66400s tandard: CDNB, 1833 BP.

D 16400s tandard: CDNB, 1833 BP.

D 16400s tandard: CDNB, 1833 BP.

D 16400s tandard: CDNB, 1833 BP.

M Antibutic: streptogramin: such snbB; snc: biosynthesis: enzyme; NW do.

Streptomyces pristingespitalis.

D 68 Etreptomyces pristingespitalis.

FR NG 10400s BP.

D 16400s BP.

D 1640

PHARES REFERENCE CONTRACTOR OF THE CONTRACTOR OF

Query Match 1.3%; Score 14; DB 11; Length 1833; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

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PH 18-105608-A. Paroduct-2,5-DKG reductase.
PH 18-105608-A. Paroduct-2,5-DKG reductase.
PH 18-105608-A. Paroduct-2,5-DKG reductase.
PH 18-1056118-A. Paroduct-2,5-DKG reduct-2,5-DKG reduc
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Best Local Similarity 100:04; Pred. No. 3.479-40;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            729334, vov-1996 (first entry)
Brevinestrim filsen Mr-233 dihydroxy acid dahydratase coding.r. Drevinestrim filsen Mr-233 dihydroxy acid dahydratase EC 4.2.1.9, amino acid biosynthesis; isoleucine: Ile; wildie: Vol; Coxyneform bacterium; ds. Exeribacterium; ds. focation. Mr-233; Coxyneform bacterium; ds. focation. Journal of the mr-rectide 1.1836 (qualifiers)
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        US-08-887-977-9.rng
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7456-E. cold Trp promoter
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722...257
7456-E. cold Trp promoter.
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D 729314 standard: DNA; 1836 BP.

D 72971996 (first entry)

D 72971996 (first entry)

D 72971996 (first entry)

D 72971996 (first entry)

E 72971996 (first entry)
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                                                                                                                                                                                         14; Conservative
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PR EP-132308-A. /label= 2,5-DKG-reductase gene pp 30-132308-A. /label= 2,5-DKG-reductase gene pp 30-132308-A. /label= 2,5-DKG-reductase gene pp 31-07AK-1388.

PR 21-07K-1388.

PR 21-07K-1389. Gene 508043.

PR 21-07K-1389.

PR 21-07K-1389. Gene 508043.

PR 21-07K-1389.

PR 21-07K-138

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Plasmid pTrpl-15 DNA encoding the 2,5-diketoglucomate-reductase gene 2. Diketoglucomate-reductase; ascorbic acid; ss. Corymbhocterium.

Location/Qualifiers 229..234

promoter promoter

7.tigg a ... coli trp promoter ... 252.157 ... 257 ... 257 ... 257 ... 259 ...

/*tag= d /label= 2,5-DKG-reductase gene

US-08-887-977-9.zng

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```
Region of pTrpl-35 expression vector contg. 2,5-DKG gene

M. Accorbic acid, 2-kerb-L-giuconic acid, 3.5.

M. Accorbic acid, 2-kerb-L-giuconic acid, 2,5-dketogluconic acid, ss.

M. Accorbic acid, 2-kerb-L-giuconic acid, 2,5-dketogluconic acid, ss.

M. Accorbic acid, 2-kerb-L-giuconic acid, 2,5-dketogluconic acid, ss.

M. Acid acid, 2-kerb-L-giul, trp promoter

M. M. Acid acid, 3-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-L-giul, 1-kerb-L-L-giul, 1-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-giul, 1-kerb-L-L-giul, 1-kerb-L-giul, 1-kerb-L-L-giul, 1-kerb-L-
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10 791771 and 20 187 BP. A. 791771 and 20 187 BP. DT 20-APR-1998 (first entry)
DE 20 - Virus DRS forgente encoding VP3 and VP1.

NW Drogressive multifocal leukoencephalopathy; ss. OS 20 Virus S. DocetionCoul
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Opery Match 1.3; Score 14, DB 1, Length 1853; Matches 14; Conservative 0; Mismatches 0; Indels Matches 14; Conservative 0; Mismatches 0; Indels

RESULT 290 ID N82066 standard; DNA; 1854 BP. AC N82066; DT 30-OCT-1990 (first entry)

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RESULT 289
TID NOOFE steadcard; DNA; 1853 BP.
AC MOOFEL 1990 (first entry)
DZ 22-UTH-1990 (first entry)
DE Sequence including 2,5-diketoglucomic acid reductase gene and p7rpl35

Query Match 1.3%; Score 14, DB 3; Length 1853; Best Local Similarity 100.0%; Pred. No. 3.474-40; Matches 14; Conservative 0; Mismatches 0, Indeas 0, Gaps

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. IDS

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PH 309216658-A.
PRODUCE* VP1
PR 309216658-A.
PR 327-1397.
PR 327-1397.
PR 327-1397.
PR 327-1395.
US-08-887-977-9.rng
                                                                                                                                                                                                                                      /*tag= a /product= VP3 784..1848 /*tag= b /*product= VP1
                                                                                                                                                                                                                                                                                                                                                                                    CDS
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Novel proceding mode, comprising procedingen C-proceptide

Robell proceding mode, comprising procedingen controlling material,

standard to an alien colligen alpha-chain or non-collingen material,

proceding a count of the controlling material controlling material,

proceding a country of the controlling material controlling materials and controlling materials.

The acceptance of the colling materials are controlling materials of the interestion of colling materials are controlling materials. The C-properties determine the type-specific assembly of the monomer chains into trimerised procedings in the type-specific assembly or the motivate of the motivation of the motivate of the motivate of the motivate of the motivate of the motivation of the motivation of the motivation of the motivate of the motivate of the motivation o

Ouery Match 1.3%, Score 14; DB 34; Length 1881;
Batt Local Similarity 10%; Pred: No. 3.478-02;
Battoral 44; Conserrative 0; Mismatches 0; Gaps

Query Match 13N, Score 15; DB 38; Length 1875; Best Local Similarity 100; Pred No. 8:776+0; Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 192
IN 159872 standard: CDNA; 1881 BP.

KD 159872 standard: CDNA; 1881 BP.

KM 159872 standard: CMNA; 1881 BP.

KM 159872 standard:
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US-08-887-977-9. IN

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PH W09412635-A.

PD 19-208-1999.

PD 19-208-1999.

PD 19-208-1999.

PD 19-208-1999.

E. COLLEAR DES 977452.

PD 1999.

E. COLLEAR DES 977452.

E. CO
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Ouery Match 134, Score 14; D2 11; Length 1900; Beat Local Similarity 100.0; Peter No. 1478+02; Matches 14; Conservative 0; Minnatches 0; Gaps

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Location/Qualifiers
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4.1 RESULT 294

TO 79515 standard; CDNS, 1917 BP.

TO 79516 of Little entry)

DY 07-1978-1999 (first entry)

ST 07-1978-1999 (first entry)

TY 07-1978-1999 (first entry)

Tue Nov 17 08:55:26 1998

US-08-887-977-9. IDS

RESULT 393
ID G66162 standard; DNA; 1900 BP.

AC G6162-1995 (fifte tentry)
DF 02-PES-1995 (fifte tentry)
DF PATIAL GOUIN sequence of seven transmembrane receptor (V31).

BF PATIAL GOUIN SEQUENCE OF SEVEN TRANSMEMBRANE FOR SEQUENCY TROUGHOUS AND SEQUENCE.

BEND SEQUENCE CHANGE TO SECUENCE OF SEQUENCY TROUGHOUS SEGUENCE OF SEQUENCE OF SEQUENC

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contains stop codons at positions 10 to 12, 40 to 42, 52 to 54, 58 to 60, 145 to 147 and 745 to 747, which are not shown in the protein*
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Score 14; DB 35; Length 1917; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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Key signal_peptide mat_peptide

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PH W09200471-A.

PH W09200471-A.

PH W09200471-A.

PH W09200471-A.

PH WORLD WORLD WORLD WAS WELL WAS WELL WORLD WAS WELL WORLD WORLD WORLD WORLD WORLD WAS WELL WORLD WORLD WORLD WORLD WORLD WORLD WORLD WORLD WORLD WAS WELL WORLD WORD
DESCUENCE 231 standard; CDNN; 1938 BP.

10 02331, standard; CDNN; 1938 BP.

10 02331, 2-70L-1992 (first entry)

10 12-70L-1992 (first entry)

11 16-180-180-180 encoding insulin-like growth factor binding protein

12 16-180-180 encoding insulin-like growth factor binding; second protein encoding insuling insuling encoding insuling insu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rey Location/Qualifiers signal peptide 24..86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mat_peptide
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The North Control of Sequence 1938 BP; 368 A; 576 C; 584 G; 410 T;

Length 1938;

Query Match 1.3%; Score 14; DB 3; Length 1938; Best Local Similarity 100,0%; Pred. Ro. 3.478-402; Matches 14; Conservative 0; Mismatches 0; Indels

RESULT 339

ID 739311 standard; DNA, 1961 BP.

AC 735211; SP 74 centry

DE Human disintegrin metalloprotease (aggreconase) gene.

EN DISTRICTURATE CONTROL OF CONTROL CONTROL

W09731931-A1.
28-PEB-1997, U03217.
20-PEB-1997, U03217.
00-LWA-1995 US-01265.
(PROC.) PROCTER & GAMBLE CO.
(UTCA-) UNIV CASE WESTERN RESERVE.

O; Indels O; Gaps Ocery Match 134; Score 14; DB 3; Length 1938; Best Local Similarity 100 04; Fred No. 3:476+02; Indels Marches 14; Conservative 0; Mismaches 0; Indels

å ò

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RESEURT 256
110 G02554 etenderd; DNN; 1938 DP.
C 022554 etenderd; DNN; 1938 DP.
DT 24-UUL-1992 (first entry)
E Sequence encoding insulin'like-growth-factor binding protein 5
DE (GERP-5).
K Wound healing; growth; erythropolesia; chrondrogenesia; ss.
SS Homo sapelins.
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his signification of the metalloprocease - is differentially expressed the bland distinction metalloprocease - is differentially expressed the bland distinction metalloprocease - is differentially expressed to in arthritis, used to screen for them and to displace the metalloprocease - is obsequent that is isolatore Feer 113:5 199; English observable that is metalloprocease - is obsequent that is the metalloprocease - is obsequent displaced by the second of the seal opporters of the Feer and the season of the seal opporters of the season set, that is the season of the season season set, the season seaso
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Query Match 134, Score 14; DB 36; Length 1961;
Best Local Similarity 100, Pred. No. 3.47e+02;
Marches 14; Conservative 0; Mismarches 0; Indele 0; Gaps

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19-DEC-1995; US-574959.

Whole DARA FABBRE CANCER INST INC.
Joung J., Shin J. Stromlager JL, Vadlamudi RK;
PP. 99-443183.

P-PSDB: W31183.

US-08-887-917-9.ING

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No. 9-7805. Willia.

Profit Remodaling 1802 and pi60 and corresponding proteins - used in the transferration of tattofiname disease and for T and B cell proliferation, profit of attofiname disease and for T and B cell proliferation, profit of the control of the
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Query Match 134, Score 14, DB 16; Length 1977, Best Local Similarity 100:09; Pref. No. 3.474-07, Matches 14; Conservative 0; Mismatches 0; Indels 0

RESULT 399
1D 890225 standard; DRM; 1982 BP.
AC 870225 (first entry)
DZ Andria-specific Plasmodium falciparum protein.
NR DRM; malaria: ALX protechn; Plasmodium falciparum; vaccine.
OF PR Represent falciparum
FF 756.-151.
FF 764 /*tag= a
FF 756.-1989; 12139.

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icontion/Qualiffers

Action 1866

Action 1866

Action 1867

Action 186
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PD 27-202-1936.

PD 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Purpularizational transport plants - containing genes encoding intracellular chiticians and beta.1.3-glucomass programmes 25, 43pp. 1991ish.

Parample 5; Plant 1991ish.

This Dab sequence encodes an extracellular beta.1.3-glucomass which is used to construct a transport in a novel method to produce plants resistant to finish action. The plant chiticians gene and a plant beta.1.3-glucomase gene within its tisoups are predicted to exhibit improved resistance to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 301

117993 standard; DRN; 2016 BP.

117993

117993 standard; DRN; 2016 BP.

117993

1180 stillity potassium uptake transporter hkt1 gene.

1181 stillity potassium uptake transporter; alkali metal; cation; RN heat; transporter; alkali metal; despite alkali metal; cation; despite alkali metal; cation; despite alkali metal; cation; despite alkali metal; despite alkal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
13%, Score 14; DB 28; Length 2000;
Best Local Similarity 100.0%, Pred. No. 3.47-60;
14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                               Likray in expression vector pRESI. Ows used to transform Saccharcoyces crevisies Will4, and excelutionser-positive vector crevisies Will4, and excelutionser-positive colonies. I.e. DSM 9944 and DSM 9945, and plasmid inserts were sequenced to isolate the 2000 and 2139 by sequence. The DSM 100 and 2139 by sequence and the produce pure, recombinant excelutionse can be used to produce pure, recombinant excelutionse and transformed and are projected against passe succeptible the ensymmetries are projected against passe succeptible the ensymmetries.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-887-977-9. Ing
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ID 789333; standard; CDNB, 2020 BP.

Taber 198935;

Mark 1999 (first entry)

Mark 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              674 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 14; DB 2; Length 2020;
Pred. No. 3.47e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              350 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              368 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              628 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CC See Q12897-Q12900.
SQ Sequence 2020 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tue Nov 17 08:55:26 1998
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11.84V-1995 DR DOLOSS.

18.64V-1995 DR DOLOSS.

16.44V-1995 DR DO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Outery Match 13%; Score 14; DB 1; Length 1982; Best Local Similarity 100:0% Pred, No. 3.47-6-02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   plants with improved resistance to pathogenic fund; - contains over-expression targetted to apoplants over-expression targetted to apoplants over-expression targetted to apoplants. This sequence was isolated from a Kitabaem CDM illuray following pressing with a partial tobacco beta,1,3 glucanae clone. The gene is adduced to encode an amain acid a equence admittal to that of the tobacco extracellular beta,1,3 glucanaes plass. The unclockid sequence can be inserted into an appropriate plassia for production can be also an expression of the partial to a partial to a proper sequence and a large plants having resistance to fungal pathogens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DESULT 300

TO 25931 standard; CDNA; 2000 BP.

TO 25931 standard; CDNA; CLORE

TO 25931 standard; CDNA; C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               in potassium-poor/rich soils, or used to transform plants or microorganisms for use in reporting alkali metals, heavy metals or Sequence 2016 BP; 527 A; 438 C; 461 G; 550 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
1.34; Score 14; DB 18; Length 2016;
Best Local Similarity 100/04; Pered No. 3/76+02;
Marches 14; Conservative 0; Minmarches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-887-977-9.xmg
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Tue Nov 17 08:55:26 1998

Page 304

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US-08-887-977-9.rng
Tue Nov 17 08:55:26 1998
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NESSULT, 304

NOGESS etandard; DNA; 2021 BP.

NOGESS (ALL AND MAN 1999) (Line tenty)

DR Archidopsis thaliana harolinase (CO-TON-1999)

NE Archidopsis thaliana harolinase (CO-TON-1999)

NEW Horolinase: RMX; plant; sugar; transperio plant; AtRXI; antisense; MAR 1994 (Line tenty)

NATABLE (ALL CAND-1896)

NATABLE (ALL CAND-1896)

NATABLE (ALL CAND-1896)

NATABLE (ALL CAND-1896)

NATABLE (ALL CAND-1897)

NATABLE (ALL CAN
CC pathogenic fungi. Such genes should be operably linked to promoters and cc reminators and optionally a gene encoding a selectable or sortenable cc trait. Pants that overexpress the chitiates and glucanses genes cc trait. Pants that corresponds the chitiates and glucanses genes as Sequence 2020 BP; 630 A; 368 C; 348 G; 674 I;
                                                                                                                                                                                                  Dest Match
1.3%; Score 14; DB 36; Length 2020;
Best Local Similarity 100:04; Pred No. 3.49-02;
Matches 14; Conservative 0; Mismatches 0; Ongs
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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.mg

971 TCCTTCAAGATCTT 958

```
LT 306
780103; standard; CDNA; 2058 BP.
780103; ST.NOV-1997 (first entry)
ZS-NOV-1997 (first entry)
Albheimen NF-1 gene open reeding frame.
Albheimer's disease; NF-1; human; mouse; KF361 gene; antibody; sa.
NAME OF STREET O
```

WA ALENTEE S GLEAGES N-1; Numan; mouse; KF3st gene; antibody; 88.

SS STREAT STREAM ST

Query Match
1.34; Score 14; DB 34; Length 2058;
See Local Similarity 100:04; Pred No. 3.47-02;
Matches 14; Conservative 0; Mismatches 0; Ondels 0; Gaps

RESCIT. 307

NO 065133. standard; DNN, 1050 BP.

A 065133. standard; DNN, 1050 BP.

DE Plucative seven transmembrane receptor (V31) coding sequence.

DE Plucative seven transmembrane receptor; receptor; amplification; PCR; NY Pollymerase chain reaction; as.

NN Pollymerase chain reaction; as.

S Romo sapiens. Location/unalifiers

FR Key 166. 1398

T cds /*tag* a /*tag* a

NW 99412535.A.

PR W09412535.A.

PR W09412535.A. ŏ

Page 307

US-08-887-977-9.xng

Page 308

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PF 17-807-1993; U11153.

PR (CAGES B) 1011513.

PR (CAGES B) 1011513.

PR (CAGES B) 1011514.

PR (CAGES B) 1011514
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Query Match

1.34, Score 14, DB 11, Length 2058,

Best Local Similarity 100.0, Pred No. 3.47-40;

Matches 14, Conservative 0, Mismatches 0, Gaps

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RESULT 108

D 760099 standard; CDNA; 2080 BP.

T 760099

T 76009

T

Page 306

620 T; 465 G; 389 C; 549 A; SQ Sequence 2023 BP;

Query Match 1.3%; Score 14; DB 39; Best Local Similarity 100.0%; Pred. No. 3.47e+07 Matches 14; Conservative 0; Mismatches

RESULT 305

In 113756 standard; CDNBA, 2025 BP.

In 113756 standard; CDNBA, 2025 BP.

Reduction of the control of the control

ö O; Gaps Outery Match 13%; Score 14; DB 24; Length 2025; Bast Local Similarity 100:04; Pred. Rev. 24.74+02; Matches 14; Conservative 0; Hismatches 0; Indels 0

Page 305

Tue Nov 17 08:55:26 1998

US-08-887-977-9. ING

PR W09618975-A1.

PROGRAMMA.

PROPERTY.

PRO

832 teetteaagatett 845

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A brain-specific expression gene - used in the disgnosis of brain-specific expression gene - used in the disgnosis of cabbinary a disease. Claim 1; Pege 7-8; 23pp; Japanese. This sequence represents the human RP36; gene. This sequence contains the

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US-08-887-977-9. EDG

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Page 309

e.g. infections by pathogenic microorganisms, e.g. bacteria, viruses and protocoans. p52 can be used to expand 7 cell populations for treating infections diseases or cancer, e.g. the resulting cells may be transduced to render them resilents to RIV infection. Inhibitors of p52 can be used to reduce B or 7 cell responses and may be used to treat a variety of actionmuse diseases, e.g. diabetes mellitus, arthritis, multiple actions allergo and allergo rections (crobs s diseases etc. 447 x), \$88 C, 608 G, 440 T;

88888888

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Query Match
1.3%; Score 14; DB 16; Length 1083;
Best Local Stailarity 100:0%; Pred. No. 3.478-0;
Matches 14; Conservative 0; Mismatches 0; Gaps

open reading frame represented by 180102. This sequence, 780099, and 780100 all represent CDNs equences of the invention. These sequences are all KT -180101 and 780101 respectively. These genes, their products and antibodies specific for the proteins are account of the products and sequence 2000 BP: 626 A: 636 C; 424 G; 664 I:

Derry Match 134; Score 14; DB 33; Length 2080; Best Local Similarity 100 OB; Pred. No. 3.476+O2; Indele O; Gaps Matches 14; Conservative O; Hismatches O; Indele O; Gaps

PN 9972225-A. Product= p62
PN 9972225-A. Product= p62
PN 79772255-A. Product= p62
PN 1897 19-202-1956; 019944
PN 18-202-1956; 019945
PN 1 NEBULT 309

DE TRANS-199

THE ANAL-199

EN Hann p62 CDNA 1 cert of the transport of t

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PESOLY 311

D 025380 standard; cDNA; 2089 BP.

C2-70V-1992 (first entry)

E2-70V-1992 (first entry)

E2-70V-1993 (first entry)

E

truncated restin are claimed. The isolated nucleic acid and the faribodies are used, in hybridisation and immunosassys, to screen for the control of the con

Query Match
1.3%; Score 15; DB 40; Length 2085;
Best Local Similarity 100; 04; Pred 10; 8.3.74-01, rindels
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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Tue Nov 17 08:55:26 1998

US-08-887-977-9. xng

mutation from the wild-type. A G to A transition 52 bases from the 23 end of the coding region results in a Ser to Asp substitution in the AM sequence. 2089 BP; 433 A; 579 C; 579 G; 495 T;

ö Outery Match 13%; Score 14; DB 4; Length 2089; Best Local Similarity 97.5%; Pred. No. 3.476+02; Indele 0; Gaps Matches 14; Conservative 0; Mismatches 2; Indele 0; Gaps

RESULT 312

DG 023523 stundard; DNA; 2094 BP.

DG 023523 stundard; DNA; 2094 BP.

DG 023523 stundard; DNA; 2094 BP.

DG 03523 stundard; DNA; 2094 BP.

DG 0782 encoding Abi 105 phage resistance and partial ISSI transposace

DG 0782 encoding frame; DNG 19 plannid prints; se.

However, and the frame; DNG 19 plannid prints; se.

Streptococcus creacing 11581; transposace; inverted repeat;

PR 029 planning 1.471

PR 1.471

PR 1.472

PR 1.

H W09105604.

10.48P11991

11.58P11991

11.58P11991

11.58P11991

11.58P11991

11.58P11991

11.58P11991

11.58P11991

11.58P1991

11.58P19

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PR W09748721-A1.

PD 21-002-1397.

PD 21

US-08-887-977-9. Ing

Length 2096;

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Production of recombinant steroid Salpha-reductase enzyme - by
Distriction of recombinant steroid Salpha-reductase enzyme - by
Distriction of Columns 4750, 70pp English, ensyme
Columns 4750, 70pp English, ensympte of the invention. The
enthod is accorded any processes of Columns and Complishes
Columns 4750, 70pp English, ensympte and Columns 4750, 70pp English, endured as Columns 4750, 70pp English, endured For Inhibiting the coorersion of Sequence 2107 BP; 475 A; 482 C; 486 G; 664 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 317

IN COURT 317

IN C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 314

10 143795 standard; oDNA to mRNA; 2086 BP.

10 143795 candard; oDNA to mRNA; 2086 BP.

10 143795 candard; oDNA to mRNA; 2086 BP.

10 140795 candard; oDNA to mRNA; 2086 BP.

10 140795 candard; oDNA to mRNA; and to manue;

11 14070 candard; oDNA to mRNA; and to mean;

12 14070 candard; oDNA to mRNA; and to mean;

13 14070 candard; oDNA to mRNA; and to mean;

14 14070 candard; oDNA to mRNA; and to mean;

15 14070 candard; oDNA to mRNA; and to mean;

16 14070 candard; oDNA to mRNA; and to mean;

17 14070 candard; oDNA to mRNA; and to mean;

18 14070 candard; one of the mean;

18 14070 candard; one of the mean;

18 14070 candard; one of the mean;

18 14070 candard;

18 14070 candar
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                                                                                                                                                                                         Query Match
1.3; Score 14; DB 22; Length 2096
Best Local Smilarity 100.04; Pred. No. 3.47s-40.
Matches 14; Conserative 0; Minmatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESOUR 315
1D 00565 standard; cDNs; 2100 BP.
1D 005676
AC 005676;
DT 02-3/N.1991 (first entry)
DF 0-PA_gamma.
FOR Thrombolytic agent; fibrinolysis; salive; vampire bat; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-JUN-1995; US-457616.
(TEXA.) UNIV TEXAS SYSTEM.
Andersson S, Russell DW:
WPI: 97-525718/48.
P-PSDB; W34447.
                                                                                                                                                                                                                                                                                                                                                                          Tue Nov 17 08:55:26 1998
              Tue Nov 17 08:55:26 1998
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              Page 313
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PD 14-ADG-1996.

PD 14-ADG-1996.

REPER-1995: 300803.

REPER-1995: 979-642564.

REPER-1995: 979-642564.

REPER-1995: 979-642564.

REPER-1995: 979-642593.

REPER-1995: 979-64259.

REPER
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1.34; Score 15; DB 1; Length 2100;
Best Local Similarity 100:04; Pred 18:0 8.074-04;
Matches 15; Conservative 0; Mismatches 0; Gaps
                                                                                                                                                                  CONTRIBUTED TO THE REALT SITE OF THE CONTRIBUTES. ONE accombinant plant dended contained a 6.4th ineart coding for the Abil 105 mentalment of This plannid was designated pilolos. A 100pm beconv. Abil 105 mentalment over excitent from pilolos and the religated pilolos. Tab insert transpense of 5.7th insert was pertially sequenced and found to contain 4 open reading frames, one of Which concess the transpense from insertion sequence 1581. The sequence cycle here is that of ORFJ, which codes for a protein involved in the barteriophage residence mentalment, part of the 1581 the containing planting frames. And the sequence of the inverted types (15) sequences of the 1581 sequence and one of the inverted types (15) sequences of the containing planting the sequences of the containing planting to the containing planting to the containing planting to the containing planting to the containing planting the containing the containing the containing planting the containing the contai
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Key
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VO4202 standard; cDNN; 2109 BP.

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DO 010553; standard; DNA; 2133 BP.

AC 010553; standard; DNA; 2133 BP.

CO 010553; standard; DNA; Close pVNM(0583 Wich containes probes for the in vitro BE sequence of close pVNM(0583 Wich containes probes for the in vitro E diagnosis of patients presenting an alteration on their chromasome DE 17p.

The PNE PRISES; Charcot-Marie-Tooch type 1 disease; in vitro diagnosis; Romo sapteme 17p; ss.
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FORT THE STATE OF THE STATE OF A THE STATE OF THE STAT
                                                                                                                                                                                                                                                                       CC DDM library, to identify a 2.1 kb fragment encoding a seroid CC 5-liphs reductate of 159 amino acids. The invention also coners CC fragments of the human-terived sequence as well as considering commission of the reductate and by site-directed mutagemesis. SC sequence 2107 B9: 475 A; 482 C; 486 C;
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PPEDD N. R7466.

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Best Local Similarity 100,04; Pred. No. 3,474-07;
Matches 1, Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Pred. No. 3.476+02. Arches 14; Conservative 0; Mismatches 0; Indels 0;
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056794 standard, DRN; 2124 BP.
0578-1994 (first enrry)
Granulin Coding sequence.
Granulin Stratinocytes; wound healing; inhibition; peptide;
Spraulocytes; laucocytes; as.
Rey Dockton/Qualifiers
Rey 1279-1391.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
1.14: Score 14: DB 37: Length 2109;
Best Local Similarity 100:00; Pred. No. 3.47+40;
Matches 14: Conservative 0; Mismatches 0; Indels (
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misc_difference in the misc_difference in 
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ID 063972 standard; cDNA; 2129 BP.
AC 063972;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tue Nov 17 08:55:26 1998
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PR 01-7M#-1997; U00224.

PR 01-7M#-1996; U0 02024.

PR 01-7M#-1996; U0 0202
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PR 00-CT-1997.

PR 00-CT-199
Calpain; human; leubcoyte; calcium dependent cysteine protease; sereening, activator; inhibitor; treatment; prevention; cancer; carbital propley; cerbral infarction; bubarachoid humorrhage Alaheimer's disease; myodystrophy; cataracts; collagen disease; Bishemic heart disease; atheroselerosis; arthritis; ds. Rep asplene.
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AL GOS675; Standard; cDRA; 2137 BP.
AC GOS675;
DT 50-7AN-1591 (fixet entry)
TH Thrombolytic agent; fibrinolysis; saliva; vampire bat; ss.
B hesmodus rotundus.
R Kpy
Gods
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag= a //product= calpain //note= *stop codon not given*
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/product=v-PA_beta
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Alabela pVAM409RJa

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D1-NOV-1992.

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PR O'-MAY-1991. EP-401200.

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1.3%; Score 14; DB 5; Length 2133;
Ser Local Similarity 100.0%; Pred No. 3.47-67;
Matches 14; Conservative 0; Mismatches 0; Gaps
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DD 791079 stondard; CDNA, 2138 BP.

T91079; Set and ard; CDNA, 2138 BP.

T1.MAR-1998 (first entry)

T1.MAR-1998 (first entry)

T2. MAR antigen (mesothelin cumous specific antigen; mesotheliona)

NN CANI antigen mesothelin cumous specific antigen; mesotheliona,

NN CANI antigen mesothelin cumous specific antigen; mesotheliona,

NN CANI antigen mesothelin cumous specific antigen; mesotheliona,

NN CANI antigen mesotheliona,

NN CANI antigen cumous call antigen;

T2 sig_peptide 145.195

T3 polyA.signal 2087.2092

T4 polyA.signal 2087.2092

T7 /-tag - C

T8 POPESSOR 2.

Note - Variant polyadenylation signal*

POPESSOR 2.

Note - Variant polyadenylation signal*
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PD 22-AGC-1990.

PF 11-FED-1990; 250043.

PR 11-FED-1990; 250043.

PR 11-FED-1990; DE-047680.

PR 11-FED-1990; DE-047680.

PR 16-1990; DE-047680.

PR 16-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      422 C; 431 G; 629 T;
                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                        /*tag= a
/label= pvAW409R3b
540..2133
                                                                                                                                                                                                                                                                                                                                       /*tag= b
/label= pVAW409R3a
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ID V04203 standard: CDNA; 2136 BP.
AC V04203;
DT 27-APR-1998 (first entry)
DE Human calpain CDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      650 A;
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Db 1505 attatttgtgtcag 1519
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               Page 325
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D 14218 standard; CDNA; 2152 BP.
AC 74218.
D 142218.
D 142218.
D 142218.
D 142218.
D 2 2.424.199.
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Disclosure: Page 147-147, 180pp; English: English: The TARY-Miding protein associated forcor hravillo (including protein associated forcor hravillo) (during the district antibod size and this no products) are used in dung screening, disgnostics and therapoutics. They are used in the development of proticio inclemental assays for extreming compounds that agonise or netgoins estimated than man parboloy.

Sequence 2120 ps. 637 A; 431 C; 534 C; 539 T;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match 13%; Score 14; DB 33; Length 2142; Best Local Similarity 100:0%, Pred 18:0.3.474-02; Indels 0; Gaps Macches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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AC 79554, standard; cDNs, 2152 BP.

AC 79554, standard; cDNs, 2152 BP.

AC 79554, standard; cDNs, 2152 BP.

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pi Tjian R. Wang E. Weinzierl ROJ;

BW 197-19111/29

BR 197-19111/20

BR 197-19111/20

BR 197-19111/20

BR 197-19111/20

BR 197-19111/20

BR 197-19111/20

BR 197-1911/20

BR 197-191/20

BR 197ö Gaps screening; Ouery Match 1319, Score 15, DB 32; Length 2152; Beat Local Similarity 100 04, Pred Ro. 9.774-01, Matches 15, Conservetive 0; Hismatches 0; Indels 0; Matches 15, Conservetive 15, The Statement of the Statement o RESULT 338

DO 70732 standard; ODN; 2152 BP.

TO 70732

TO 70732

DY 73-MR.1992 (first entry)

DY 73-MR.1992 (first entry)

TATA-binding protein-associated factor; hTAF11100 cDNA.

NW 7AA-Dinding protein-associated factor; hTAF11100; ss; screen and Asgonatic; therapeutic; gene transcription regulation.

REA GROWN ST.

1.1315

PR 89417087-A.

PR 94-ANG-1994 (GROWN ST.

PR 95-ANG-1994 (GROWN ST.

PR 95-ANG-1994 (GROWN ST.

PR 95-ANG-1994 (GROWN ST.

PR 95-ANG-1995 (GROWN ST.

PR 95-ANG-1995 (GROWN ST.

PR 119-ANG-1995 (GROWN ST.

PR 119-ANG-1995 (GROWN ST.

PR 119-ANG-1995 (GROWN ST.

PR 1110 B.

PR 119-ANG-1995 (GROWN ST.

PR 119-ANG-1995

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US-08-887-977-9. Ing

Page 328

polymerase II in vitro transcription activity. The encoded protein has a streamtion mainten; or puritied years place; where transcription by RAM polymerase III, the RAM polymerase III transcription proceeds in vitro upon addition of several unclear fractions designated TRIA, B. D. E. F. H. I and to RAM polymerase II thousanges. Fraction FIID, has been shown to contains a TPP and other TAMS: Puritication of FIID has been shown to several processes and shown to set the components reveals Proteins resigning in size from 30-250 kD. Set missined against the FIID fraction allowed cloning of the correspondence 2152 RD; 627 A. 449 C. E. 556 G. S40 T.

88888888888

ö Query Match 1.3%; Score 15; DB 75; Length 2152; Best Local Similarity 100:0%; Pred. No. 9.77e-0; Matches 15; Conservative 0; Mismatches 0; Indels 0;

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Tue Nov 17 08:55:26 1998
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U8-08-887-977-9.zng

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CC A Typodil genomic library in REMBL3 was screened with a fragment of a typodil genomic library in REMBL3 was screened with a fragment of a close isolated by immunoscreening a Typodil strain RH cDNA.
C close isolated by immunoscreening a Typodil strain RH cDNA.
CC library Genomic close Graz-REMBL3 contg. an insert which cencedes the complete 28 SAD satisfan was identified. The antigen is encodes the complete 28 SAD satisfan was identified. The antigen is close the principal excretion-excretion antigen of Typodil tenhysoites.
CC and represents a 9000 candidate for effective vaccine production.
SQ Sequence 2152 BP. 555 A. 515 G. 757 G. 507 T.
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Score 14; DB 9; Length 2152; Pred. No. 3.47e+02; 0; Mismatches 0; Indels Ouery Match Best Local Similarity 100.0%; Matches 14; Conservative

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/*tag= a /*tag= A /*tag= A /*tag= A /*tag= A /*troduct= Epstein Barr virus induced polypeptide.

Woolules between Barr virus induced polypeptide.

Product Barr virus induced polypeptide.

Product Barr virus works by the control of the con DE COLLEGE STANDARD DAY 1154 BP.

TO GG1125 Standard; DNA: 2154 BP.

DE COLLEGE STANDARD DAY (Eirst entry)

EXAMINED DAY (Eirst entry)

FOR (Eirst entry)

FOR DAY (EIRST ENTRY)

FOR DAY

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PR 96-UTR-1995; U00911.

PR 06-UTR-1995; U00911.

PR 06-UTR-1995; U00911.

PR 06-UTR-1996; U00911.

PR 06-UTR-1996; U00911.

PR 10-UTR-1996; U0091 RESULT 333

WO0661 standard; CDRA; 2162 BP.

WO0661 STANDARD Graceful SPRI CDRA.

Becomes standard; CDRA; Clarate entry)

REPLOY CONTROLLED CON

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US-08-887-977-9. rng

rheumatoid arthritis, psoriasis and coronary atheroms, and/or increase tubular regeneration of kidney cella, e.g. following remarkatiurs 607 k; 573 C; 571 G; 411 T;

Query Match
1.39, Score 14; DB 19; Length 2162;
Beet Local Similarity 100:09; Pred. Ro. 3.474-09;
Matches 14; Conservative 0; Mismatches 0; Indels (

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PH 109610633-A. (**tag* a profile to the control of control of the RESULT 334 standard; CDNs, 2165 BP.

Driddigg and the comparition particle, SRP54 gene cDNs clone.

Driddigg and the comparition particle, SRP54 gene cDNs clone.

Note of the comparition particle, SRP54 gene cDNs clone.

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Query Match 1.3%; Score 14; DB 23; Length 2165; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

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Page 329

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Sequence

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Page 330

478 T; Length 2154; 543 G; 647 C; 486 A; 2154 BP;

e 14; DB 11; Length 2154 . No. 3.47e+02; Mismatches 0; Indels Query Match Best Local Similarity 100.0%; Pred. Matches 14; Conservative 0; M

W0941855-A. /Product* Seven transmembrane receptor V31.

PD 07-703-1934.

PD 09-703-1934.

PD 09-703-1934.

PD 09-703-1934.

PD 09-703-1934.

PD 09-703-1934.

PD 09-703-1935.

PD 09-97452.

PD 09-97 RESULT 132

Discission standard; CDNN, 2160 BP.

Discission standard; CDNN, 2160 BP.

Discission transmembiane receptor (V11-B) coding sequence (CDNN).

Principle seven transmembiane receptor; maplification; pcR.

Discission transmembiane receptor; maplification; pcR.

How saplens. Location/Qualifiers

How saplens. Location/CONN.

Principle saplens. Location/CONN.

A human confine development transmembrane receptor V11 was consiling the receptors was named provided from the receptor V11 was consiling the receptors was named principle saplens. Location was saplenged from the consiling concerns was named principles. Consiling CONN.

Consiling CONN. Library using two primers (G66154, G66159). A consiling concerns was named principles. Consiling CONN.

Concounties. Consi

Se ps ö Score 14; DB 11; Length 2160; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0

Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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RESULT 339
D 75-317:
TO 75-317:
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No. 34.0+02; Indels 0; Gaps Matches 14; Conservative 0; Minaschies 0; Indels 0); Gaps
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2192 BP; 516 A; 499 C; 566 G; 511 T;
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27-MOV-1987; 117619.
14-JUL-1987; GB-021649.
14-JUL-1987; GB-021649.
(190F) 190FPRANN-A ROCKE AG.
190F) 190FPRANN-A ROCKE AG.
190F) 190FPRANN-A ROCKE AG.
1971: 89-148447,2.
195939, 193996.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         standard; DNA; 2192 BP.
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No. 3.47-02; Dest Marches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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W3402; standard; DNA; 2177 BP.
W3402; standard; DNA; 2177 BP.
M3402; standard; DNA; 2177 BP.
M3404: Standard; St
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D (10958 standard; DNN; 2196 BP.

D (20958 standard; D)

E cene encoding deptains acid isolating energe-like polypaptide.

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1.3%; Score 14; DB 1; Length 2177;
Best Local Stallarity 100:0%; Pref. No. 3474+02;
Matches 14; Conservative 0; Manatches 0; Indels 0;
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                                                                                                                                RESULY 1049052 standard: DNA; 2190 BP.
AC 049052 standard: DNA; 2190 BP.
Caranila codding sequence.
DE Crannila codding sequence.
Caranila: Kratinocytes; wound healing; inhibition; peptide;
KW Standiocytes: Leucocytes; sa.
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Matches 14; Conservative 0; Mismatches 0; Indels
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/label=leader_sequence
59..1521
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/product=mature b subunit
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2..58
                                                                                                                                                                                                                                                                                   Matches 14; Conservative
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PT Proposition of the property of the prope
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13%, Score 15, DB 29, Length 2218;
Best Local Similarity 100.0%, Pred. No. 8.178-01;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps
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(05465 stendard; DNA; 2222 BP.)
(05465 stendard; DNA; 2222 BP.)
(05465 sp4 (first entry)

Type (1546) sp4 (first entry)

Type (1546) sp4 (first entry)

Type (1546) sp4 (first entry)

Althoughyonine 5' deiodinase gene. untranalated region; selenocystesion snasay; antibody diagnosis; selenocystesion snasay; antibody diagnosis; selenocystesion insartion sequence; reporter get transfection; efficiency promoter; ss.

Type of the control of the contr
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/ resq. a. / delodinase

1.571.1894

/funcin Selenocysteine_insertion_sequence
/funcin Causes insertion of Selenocysteine_resh
in the preceding gene product at Tsh codons*
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1D 009933 standard; CDNA; 2222 BP.
D 009935; Standard; CDNA; 2222 BP.
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D 00-0
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29-JAN-1991; 647657.
29-JAN-1991; US-647657.
03-SEP-1991; US-757024.
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Page 339

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PR 29-JAN-1992; US-928790.

PA (GORM ) BRIGGAR4 a WORDS NOSPITAL.

BR WF1: 93-413408751.

PR WF1: 93-413408751.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag= a /*tag= a /*tag= a /*tag= a /*product= Type_I_5/_delodinase 387..384 /*tag= b //codon= seq= TGA; aa: SeCys 1573..1894
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National Section 2011 Annual Section 2018 Annu 287..818 /*tag* d /note= "claimed" | Viote | Claimed | Viote | Claimed | Viote | Claimed | Viote Tue Nov 17 08:55:26 1998 misc_feature

Page 340

3B 15; Lengta ...
..37e+01;
rehes 0; Indels 0; Gaps Score 15; DB 15; Pred. No. B,37e+0 0; Mismatches Query Match Best Local Similarity 100.0%; Matches 15; Conservative

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Location/Qualifiers 169..1761 /*tag= a

US-08-887-977-9. Eng

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Page 341

Example 9; illippi raginas.

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PN EP-585083-A.

PD 02-ANR-1994.

DO 1992; DP-240628.

PR 21-ANG-1993; 106228.

RAIN 194-06729.

RAIN 194-06729.

PR 21-ANG-1993.

PR 21-ANG-1993.

RAIN 194-06729.

PR 21-ANG-1993.

PR 21-ANG-1
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1.3%; Score 15; DB 10; Length 2247;
Best Local Similarity 10:09, Pred, No. 9.378-01;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 344

D 750356 standard; DNA; 2250 BP.

E 18036:1997 (first entry)

E 18036:1997 (first entry)

E 18036:1997 (first entry)

E 11M Oil materia coding sequence

E 18036:1996

E 180
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10-26-1396; 002-00313.
10-26-1396; 002-00313.
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RESULT 345

DT 71141 standard; CDNN to MRNA, 7251 BP.

DF 71141 standard; CDNN to MRNA, 7251 BP.

DF 09-007-11996 (first entry)

DF 71141 prolatelt receptor CDNN.

NF 7141 prolatelt receptor CDNN.

NF 7141 productive cycle synchronisation; teleost; bony fish; or Cypthifornes; se.

OF 772 productive cycle synchronisation; teleost; bony fish; or cycle control of the cycle synchronisation.

The CONTROL CON

lioticus Location/Qualifiers 207.2099 /*rag* a /*rag* a

mat_peptide

PR2724181-A1. 08-MAR-1996. 01-SEP-1994; 010535. 01-SEP-1994; FR-010535.

Onery Match 1.13; Score 14; DB 29; Length 2250; Best Local Similarity 100.09; Pred. No. 3.476+02; Affeches 14; Conservative 0; Mismatches 0; Indels 0; Matches 15; Conservative 0; Mismatches 0; Indels 0;

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March 1 INSERN INST NAT SANTE & NECH MEDICALE.

Machery M. Really Ph. Prunet P., Sandra O;

M. PSTOR: RESIDIO, FRRILLY.

PSTOR: RESIDIO, FRRILLY.

M. And TO Action receptor - useful for detecting prolactin agonists

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M. M. Anter's W. G. Z. Down and isselective point 5.33. Transformed characteristy agonists and antagonists of PRL velocity of the 3.53. Transformed characteristy agonists and antagonists of PRL velocity of PRL velocity in Companion of Characteristics agonists and antagonists of PRL velocity Machery Detection Sequence 2231 Pp. 610 A; 577 C; 573 G; 491 T;
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P-PSDB (80645).
P-PSDB (80645).
Ref ibzin apecific thrombolytic agent v-PA - isolated from salita of Desmodus ap. bets.
Claim 5; Fig 26a: 49pp; English.

US-08-887-977-9. Ing

Query Match Query Match Beat Local Similarity 100,04: PPed. No. 1476+00; Matchs 14: Conservative 0; Mismatche 0; Indels 0; Gaps

Page 343

Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

Page 344

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The sequence was obtd. from the longest of the alpha 1 gp. of v-pA. clones isolated from a ONA library preed, from RMA from the salivary glands of vampixe hate. The v-PA protein produced on expression of the gene is a high molecular form consisting of a finger domain, an EGP domain, a Kinger domain and a finger domain, an EGP domain, a Kinger domain and a finger seals of SGR4-005576, and the seals of SGR4-005576, and the seals of SGR4-005576.
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Omery Match 1.3%; Score 14; DB 1; Length 1252; Best Local Similarity 100:0; Pred. 18:0.3.478-02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 88888888

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WO910939.A.

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PROPERTY 91-199195746

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The decayrithounleif cand of minus on contraceptive and to a much and an auto-antiquence auto-immune infertility and an auto-antique manue.

CC Talm 1; Fig 1; 46pp; Emplish.

CC Talm 1; Fig 1; 46pp; Emplish.

CC (EST) Obbs and genomic libraries with a lambda gill rST clone RI.2

CC (EST) Obbs arrening for rabbit sperm membrane autoantigen.

See also 011309 and 011319.
ILT 347

012189 stendard; DRN; 2252 BP.

012189. "LeF2-1991 (first errery)

Rabbit sperm-specific nuclear auto-antigenic protein gene. SRNP; infertility; as Corptolague cunicula.

Orytolague cunicula.

KRY

66.-2138
                                                                                                                                                                                                   Location/Qualifiers
96.2138
/*tag= a
/product= rabbit SNAP
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Query Match 1.3%; Score 14; DB 2; Length 2352; Seef Local Similarity 100:0%; Pred. No. 3.474-02; Indels 0; Gaps Matches 14; Conservative 0; Minmatches 0; Indels 0; Gaps

US-08-887-977-9. IDS

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RESULT 149

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PR 10-NOV-1995; DX0448.

PR 10-NOV-1995; DX0418.

PR 10-NOV-1995; DX041
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1.38; Score 15; DB 20; Length 2259;
Best Local Similarity 100.08; Pred No. 8:374-01;
Matches 15; Conservative 0; Mismatches 0; Indels of the conservative 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.14; Score 14; DB 23; Length 2260;
Best Local Similarity 100:04; Pred. Ro. 3.47e-05
Matches 14; Conservative 0; Mismatches 0; Indels
Matches 14; Conservative 0; Mismatches 0; Indels
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DI T10686 standard; DNA; 2159 BP.
AD 710686.
DI 1-SEP-1996 (first entry)
DE Kaposi's sarcoma associated herpesvirus ORF24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tue Nov 17 08:55:26 1998
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PR 21-807-1996; USL186
PR 21-807-1995; USL186
PR 21-807-1995; USL186
PR 21-807-1996; USL186
PR 21-807-1996
PR 21-807-1
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ID 727731 standard; DNA; 2260 BP.
AC 727731.
DE WILDER, LINELINE SERMINEED PROTEIN KINASE (15PK-1) coding sequence.
NY Insuline stimulated protein Kinase; 15PK, detection; acreening;
NY Insuline stimulated protein Kinase; 15PK, detection; acreening;
NY SERMINE SERMINEED PROTEIN KINASE; 15PK, detection; acreening;
NY SERMINEED PROTEIN CONTROL OF THE PROT
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Indels 0; Gaps
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therapy; diagnosis; antidense; triplex; vaccine; AIDS; ss.
Kaposi's axroma associated herpesvirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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1. 222
/*tsg* a //rtsg* a 
                                                                                                                                                                                                                                                                                                     0.05758 standard; DNA; 2255 BP.
0.05778 standard; DNA; 2255 BP.
0.05779 of (fitnes entry)
Chitinase darvative gene 4.
Chitinase darvative; Peter 1, 4-glycoside bond; chitin;
Peter N-rocetylhaxosaminidase activity; yeast; ss.
Phizopus niveur.
138..1750
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WO9615233-A1.

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US-08-887-977-9. III

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a fragment of the giveraldehyde-1-phosphate dehydrogenase (GADDH) gene (Trac Porticillium And 27 Ar fragment of present of present of the profile of give port. A 665 bp Hantiff and the profile of give port. A 665 bp Hantiff and tracment of this was used to acreen constant DNA to identify a DNA regener (GVAZI) containing the GADDH promote. A sequence (GVAZI) containing the GADDH promote of the genomic graph a bloated from a containing the GADDH promote of the genomic graph attortive a containing the GADDH promote of the genomic graph attortive in Target of the genomic graph structural state of the genomic graph promote in the first of the genomic graph promote in the first of the genomic graph promote and the graph genome are also as a section of the genomic graph genome and the graph genome are also as a first of the graph graph
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Query March 1139, Goore 14, DB 12; Length 2271; Dest Local Similarity 100:09; Parel No. 3478-402; Marches 14; Conservative 0; Minmarches 0; Indels 0; Gaps

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Tue Nov 17 08:55:26 1998

US-08-887-977-9.rng

Page 352

Call and 9. Fig 10. 44pp; English.

Claim 9. Fig 10. 44pp; English.

Claim 9. Fig 10. 44pp; English.

Lincorporated into note; gene constructe and to inhibit cell.

Encytexion in Lapetum tissue and hence to produce make sterile

plants. Vector Regil was constructed in which the Resil promoter

to was used to control expression of the make T-uril gene (see also

Tob934). Ancho codes for a procein that inhibits cell respiration,

To resulting in cell death. The vector was used to transform make

coll cultures. Sheepquent plants

C transformed, make sterile plants.

C transformed, make sterile plants. 21.-UIL-1996; GO1675.
21.-UIL-1996; GO1675.
(EXECUTION OF THE CONTROL OF THE CONT

Query Match
1.3%; Score 14, DB 28, Length 2294;
Best Local Smilarity 100.0%; Pred Bo. 3.76+05.
Marches 14, Conservative 0; Mismatches 0; Indels 0;

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RESULT 355 standard; CDNA, 2312 BP.

CO 201251-1998 (first entry)

CO 201461-1998 (first entry)

CO 201461-1998 (first entry)

CO 201461-1998 (first entry)

CO 301461-1998 (first entry)
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Page 349

US-08-887-977-9. ING

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The Miniman Paragraph of the Company of the Company

Opery Match 13%; Score 14; DB 23; Length 2260; Best Local Similarity 100:0%, Pred. No. 3.474-02; Undels 0; Gaps Macches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 353

ID 6078277 standard: DNA: 2271 BP.

AC 078277.

AC 078277 Standard: DNA: 2271 BP.

AC 078277 STANDARD: Gitter tentry)

E calmain oxpoin: giyceralddhyde-3-phosphate-dehydrogenase:

AC 1787 STANDARD: Girculan ATCC 34822.

AC 1797 STANDARD: Girculan ATCC 34822.

AC 1797 STANDARD: Girculan ATCC 34822.

BR 04-WAY-1993 DE-312865.

BR 04-WAY-1993 DE-312865.

BR 04-WAY-1993 DE-312865.

BR 04-WAY-1993 DE-312861.

BR 05-WAY-1993 DE-312861.

BR 05-

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Page 98-30959/31.

Page 78-30959/31.

Page 78-3095/31.

Page 78-3095/3

Ouery Match
1.34: Score 14; DB 21; Length 2284;
Best Local Similarity 100:09, Pred No. 3-78-09; Indels 0; Gaps
Matches 14; Conservative 0; Mismatches 0; Gaps g

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ò x8888888888888888888888

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Query Match Benilarity 10.13; Score 14; DB 16; Length 2312; Best Local Similarity 10:09; Peter, No. 3-470+05; Matches 14; Conservative 0; Himmstone 0, 1ndels 0; Gaps

US-08-887-977-9. rng

Page 354

Page 353

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A 1807/1998 (first entry)

DE Stepplylococus aureus Gene all encoding cDNA sequence 1.

We various aureus Gene all encoding cDNA sequence 1.

We various disease; protection; isolation; sa.

Stepplylococus aureus Gene all encoding cDNA sequence 1.

Stepplylococus aureus Gene all encoding sa.

Stepplylococus aureus.

PR 57272-1997; G00524

PR 5
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74-JAN-1991.

PD 24-JAN-1991.

PD 24-JAN-1991.

PD 20-JAN-1991.

PD 20-JAN-19
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D 010489 standard, DRN, 2351 BP. AC 010489.

LOUGHSE, AC 010489.
D 17-APP-1914 (first entry)
DE 17-APP-1914 (first entry)
DE 18-20-2014 (bit of the contract entry)
DE 18-20-2014 (first entry)
DE 18-20-2014 (bit of the contract entry)
DE 18-20-2014 (bit of the contract entry)
DE 28-20-2014 (bit of the contract entry)
DE 28-20-2014 (bit of the contract entry)
DE 28-20-2015 (bit of the contract entry)
DE 28-2015 (bit of the contract en
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Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0;
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                         Score 14; DB 2; Length 2325;
Pred. No. 3.47e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LF 358
T80778 standard; cDNA; 2334 BP.
T80778;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 359
1D 199885 standard; DRA; 2344 BP.
AC T99885;
DT 27-APR-1998 (first entry)
                         Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative
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Best Local Similarity 100.0%;
Matches 14; Conservative
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||||||||||||||||||||||||||||Qy 269 TCCCATTCTGGGCA 282
                                                                                                                                                                                                                                 Tue Nov 17 08:55:26 1998
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Claim 4: Page 31-12; 49pp: English.

This cDNA sequence includes a claimed conding region for human concluding the waste of the control of the waste of the control of the waste of the was
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useful for transcription of the receptor binding modulators - useful produces and growth, development or proliferation related modulates and growth, development or proliferation related bindings. But of the product of the pr
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id sequence.
scioure; Fig. 1, 16pp. Japanese.
scioure; Fig. 1, 16pp. Japanese.
come transformed E.coli expression system.
come transformed E.coli expression system.

US-08-887-977-9. rng

Tue Nov 17 08:55:26 1998

10-707-1996 27-DEC-1984; 27-27108. (ASAH; CARICHENCOL. IND KK. (ASAH; CARICHENCOL. IND KK. P-ESDB; POOLS. FOR Kragment used to produce cephalosporin C acylase - is derived from Pesudomonas species and contains sub-unit of specified amino

Drosophila frinzled gene 2 (Df22) encoding a Wat receptor.

KN Whi receptor. Dosophila frinzled gene 2 Df22 gene;

Wingless receptor; Mg receptor; signal transduction; cancer;

KN Gell growth; call proliferation; mammary tumour; encogene; ds.

Drosophila mcinon/qualities

Key Location/qualities

FT CDS //tgg as.cdl)

//transl_except (pos:344.946, as.cln)

//transl_except (pos:344.946, as.cln)

//transl_except (pos:344.946, as.cln)

//transl_except (pos:344.946, as.cln)

//transl_except (pos:348.946, as.cln)

//transl_except (pos:348.946, as.cln)

//transl_except (pos:2001.204) as.tw)

ication of Wnt receptor binding modulators - useful for nt of cancer and growth, development or proliferation related

MO9739357-A.

13-067-199.

17-APR-199.

17-APR-1996.

17-A

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9. zzg

673 T; Length 2379;

526 G;

494 C;

686 A;

SQ Sequence 2379 BP;

Tue Nov 17 08:55:26 1998

Page 357

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Query Match
1.3%; Score 14; DB 36; Length 2379;
Best Local Similarity 100.0%; Pred. No. 3.47=06;
Matches 14; Conservative 0; Hismatches 0; Indels

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cc same Sacejsau probes were used in the Southern hybridisation and control to the hybridisation and the hybridisation of the hybridisation of the sacejsam) gene. The sucrose this hypridisation of the sacejsam) gene. The sucrose cc requisions region can be incorporated into achile weeters to cc squared region of heterologous genes in transformed a subtiliation of the carbidopes genes in transformed a subtiliation of the carbidopes genes and the subtiliation of the carbidopes genes in transformed a subtiliation of the carbidopes genes in the carbidopes genes in the carbidopes genes in the carbidopes genes in the carbidopes genes genes
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Query Match Best Local Similarity 100,0); Peter No. 3-170+02; Matches 14: Conservative 0; Mismatches 0; Caps

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RESULT 362

ID 749305; standard: CDNN, 2394 BP.

II 749305; standard: CDNN, 2394 BP.

II 1-82P-1937 (first entry)

II 1-82P-1937 (first entry)

ENGLOIDE STANDARD STA

PF W09713992-A1.

PER W09713992-A1.

PER W09713992-A1.

PER W09713992-A1.

PER W09713992-A1.

PER W09713992-A1.

PER W0971399-A1.

PER W0971399-A1.

PER W0971399-A1.

PER W097139-A1.

PE W097139-A1.

PER W09713 RESULT 361

DE 179972 standard; DNN; 2179 BP.

TO 179972 standard; DNN; 2179 BP.

TO 179972 standard; DNN; 2179 BP.

TO NN, encoding human occludin.

TO CONTROL And American Delocute; membrane tight junction:

TO CONTROL American Delocute; membrane tight junction:

TO CONTROL American Delocute; Memory Delocute;

Tue Nov 17 08:55:26 1998

Score 14; DB 31; Length 2394; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; 0uery Match Best Local Similarity 100.0%; Matches 14; Conservative

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/*tag= a /label=consensus seguence 281..2271 exon

PE 246709-A.

PE

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US-08-887-977-9.ID

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/*tag* b /label*exon 2 of fur gene

Query Match 1.3%; Score 14; DB 2; Length 2400; PB-et Local Similarity 100.0%; Pred. Roc. 3/74-642; Matches 14; Conservative 0; Mimmatches 0; Indels 0;

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Tue Nov 17 08:55:26 1998

US-08-887-977-9. Eng

Page 360

RESULT 364

T1355 standard; CDNA; 2403 BP.

T1355 standard; CDNA; 2403 BP.

T155 pp. 155 pp. 1

Score 14; DB 21; Length 2403; Pred. No. 3.47e+02; 0; Mismatches 0; Indels (Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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PF W0960316-A. To fluorequinolone antibacterials*

W0960316-A. De Court of 
                                                                                                                                       T12379;
0-587-1996 (first entry)
Saureus mutant gril coding sequence.
Saureus mutant gril coding sequence.
CILN. Grilb; Staphylococcus aureus, topolasmerase IV; type II; E.coli;
DNA gyrase; PCR: amplification; primer; polymerase chain resetion;
DNA gyrase; PCR: amplification; primer; polymerase chain resetion;
Boccetium; Bocilius subtilis; OyrN; Gyrs; Parc; Pars; operon; Haloferax;
termination coden; initiation; frameshiff; translation; fluoroquinolone;
antibacterial; inhibition; relaxation; decatenation; mutant; ss.
Econtion/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag= a /*tag= a //oce= "mutation in S.aureus strains weakly resistant to fluoroquinolone antibacterials"
DE STOUT 185

TI 12273 standard; CDNN; 2403 BP.

TI 2273:1998 (first entry)

DE STATE STANDARD GENERAL GENERAL
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Tue Nov 17 08:55:26 1998

US-08-887-977-9. IN

CC in the construction of a plant transformation vector comprising C maintains and east and east bed which can be used to transform rice CC and other plants 662 A; 543 C; 507 G; 695 T;

ö Query Match 1.3; Score 14, DB 9; Length 2407, Batch Local Similarity 100,04, Pred No. 3.478-02; Indels Match Local Similarity 0. Nimakches 0; Indels

/*codon_grart= 1174..1176
//ocdon_grart= 1174..1176
//ocdon_grart= 1174..1176
//ocdon_grart= 1174..1176
//ocdon_grart= 1174..1370
//ocdon_grart= 1174..1370
//ocdon_grart= 1174..17408
//ocdon_grart= 1174..17408 130-007-1996 (first entry)
Rat orrytdin 2 gene.
Cryptdin 2; antibiotic; antimicrobial; defensin; inflammation; antimicratic antimical manety; inflammatory bowel disease; pancreatitis; gantus sp. DATA-1395, U13128.

05-077-1395, U13128.

18-107-1394, U5-142569.

18-107-1394, U5-142569.

18-107-1394, U5-142569.

18-107-1394, U5-142569.

18-107-1394, U5-142569.

18-107-14269.

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18-1 Location/Qualifiers 1..1345 standard; DNA; 2408 BP. W09616075-A1.

* isolated cryptdin peptide(s) - which have antimicrobial livity, used partic. in the detection and treatment of flammatory pathologies in 31; page 64-65; Johgp. English of the precursor and cryptdin-2 gene (13077) codes for the precursor 89787) of cryptdin-2 (R88792), an antimicrobial peptide

Page 364

Page 363

Qy S16 AACTTTTGTCTTCA 529

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327 CAAGTIGCIAAAAG 340

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ENSENT. 166 mendard; DRN: 2407 BP.

C 027489: DT 027489; DRN: 2407 BP.

DT 02789-1993 (first entry)

DE GEI promoter and 5 gene portion.

RW manures splkalet; ndcrosporocyte; meiosis; anther; probe; leaf;

RW mappession cassette root; stamen; fertile pollen; ss.

GE 02745 sativa.

Key

tata_signal misc_signal

/ ttag = c / ttag = d / ttag = d / ttag = d / ttag = t / ttag = t

PT W09213956-N.
PD 20-NOW-1992.
PD 20-NOW-1992

Query Match 1.3%; Score 14; DB 4; La Best Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Hismatches 0

ö Gaps

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Length 2407; 0; Indels

338 aacttttgtcttca 351

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0; Indels 0;

Length 2403;

Score 14; DB 21; Pred. No. 3.47e+02 0; Mismatches

Query Match Best Local Similarity 100.0%; Matches 14; Conservative

Db 2164 caagttgctaaaag 2177

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US-08-887-977-9. IDG

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US-08-887-977-9. Eng

that exhibits activity against a broad range of intestinal and opportunistic pethodens. Ret cryptdin. 7. 4. and 3 genes (see proportionatic pethodens. Ret cryptdin. 9 genes, charlest of 19738) were isolated from a Spraque-Dawley genes, charlest chord in EDBL. The cryptdin. 9 gene, or corresponding CDNA (see also 730734), can be used to produce large amounts of cryptdin. 2 for use in treating inflammatory sequence 2408 BP; 640 A; 531 C; 557 G; 680 T; 888888888

Query Match
1.3%; Score 15; DB 22; Length 2408;
Best Local Similarity 100:0%; Pred No. 9.374-01;
Matches 15; Conservative 0; Mismatches 0, Indels 0; Gaps

Describe 2; column 17; 19pp; English.

Continue 12 to column 18; 19pp; English 18; 19pp; 1

%888888888888888888888888888

Query Match 1.3%; Score 14; DB 12; Length 2409; Best Local Similarity 100 0%; Pred. No. 3.476+02. When the Matches 14; Conservative 0; Mismatches 0; Indels 0;

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RESULT 169
TO (0993): 400 (1992): 100 (1993): 100 (199

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PR 04-JUL-1994; GB-013420.

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PATTERL TO 125890.

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RESULT 31)

ID 656702 standard; DNA; 2447 BP.

ID 656702 standard; DNA; 2447 BP.

ID 75672-1994 (first entry)

E Partial sequence of the human kappa opioid receptor

E Partial sequence of the human kappa opioid receptor

E Partial sequence of the human kappa opioid receptor

E Partial Sequence of the human kappa opioid receptor

E PARCE 1993 10-952500

PR 13-ANC-1993; 1

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QUETY Match 1.3; Score 14; DB 2; Length 2427; Best Local Similarity 100.0%; Pred. No. 3.476+02. Maktohee 14; Conservative 0; Mismarches 0; Indels 0;

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US-08-887-977-9.xmg

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£28888888888

cpds. for opioid (ant)agonist activity
Example: F98 #8: 740; Engilsh:
To Acolate oplate receptor genomic clones, 300,000 human genomic
clones and a similar number of bouse genomic coince were probed
with the 1.1 Me mouse delta opioid receptor clone DNR-1 Far/XBaI
fragment. One mouse clone and three human genomic clones were
isolated the 1 mann clones had were fargemented for the second probability of the contract that three different genes were represented by the
human genomic clones which were designated #3, #14 and #20. H maps
contracted and the mann and proposed and the processor.

To chromosome 8. It encodes the human kape opioid receptor:
Sequence 244 Maps 683 A; 512 C; 498 G; 747 T;

Omery Match 134, Score 14, DB 10; Length 1447, Bate Local Smillsmitty 100 of Pred. Ro. J474-02; Matches 14, Conservative 0; Mismatches 15, Indels 0;

g 8 13.2 003453; standard; oDNA: 2448 BP. 003455; 20-701-1990 (first entry) 20-701-1990 (first entry) 20-701-1990 (first entry) 10-701-1990 (first entry) Location/Qualifiers 154..1200 /*tag= a /product=IRF-1

PF PP-155202.A.

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10 795473 standard, CDNA, 2503 BP.

20 255475 standard, CDNA, 2503 BP.

21 255475 standard, CDNA, 2503 BP.

22 255475 standard clirate entry

23 255475 standard clirate entry

24 255475 standard clirate standard clirate incuration and incurate standard clirate clirate standard clirate clirate clirate standard clirate clir
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1.3%; Score 15; DB 22; Length 2457;
Parel Local Similarity 100:0%; Pred No. 8.77+01;
Matches 15; Conservative 0: Mimmatches 0: Indels 0: Gaps
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Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0; Gaps
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Pr. New Lookade Control propride(s) - which have antimicrobial activity, used partic. in the detection and treatment of any control particle and treatment of the proprieting proprieting the proprieting proprieting the proprieting section (1975) codes for the presentance (the temperature activity against a broad range of insertinal and control proprieting particle activity against a broad range of insertinal and control proprieting proprieting the proprieting proprieting the proprieting proprieting proprieting proprieting the proprieting proprieting proprieting proprieting the proprieting propri
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   Outery Match 1.33; Score 14; DB 36; Length 2503; Best Local Ginlarity 100.04; Pref. No. 3476+02. Affects Nature 14; Conservative 0; Mismatches 0; Indels 0;
                          US-08-887-977-9.rng
                                                                                                                                                                                                                    20-027-1996 (first entry)
Step carpeda 1 gene.
Cypeda 1 gene.
artinicrobial; defensin; inflammation antihinflammatory; inflammatory bovel disease; pancreatitis; antimize tumour; ileitis de.
Battus sp.
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1..1390
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Best Local Similarity 100.0%;
Matches 14; Conservative
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                 Page 369
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D 655646 standard; DNA; 2448 BP.
D 746646 standard; DNA; 246646 standard; DNA; 266646 st
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Anter-Point of divergence with TK positive this

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                                                                                                                                                                                                           Score 14; DB 1; Length 2448;
Pred. No. 3.47e+02;
0; Mismatches 0; Indels 0;
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product= TK negative trkB protein
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CA 4435. standard; CDRA; 2483 SP.

CA 64435. SP.

CA 64435. SP.

CA 7. Trescitor tribs gene in persea.

NY Trocaline proctain Minnes; ss.

MA Trocaline proctain Minnes; ss.

MA Trocaline proctain Minnes; ss.

MA STANAL SP.

F. dds 1.1431

F. signal peptide 1.193

F. signal peptide 1.193

F. signal peptide 1.193

F. polya_signal 1.155. 1821

F. polya_signal 1.115. 1821

F. polya_signal 1.115. 1821

F. polya_signal 1.115. 1821

F. polya_signal 1.245. 1.418

F. polya_signal 1.248

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ID T30736 standard; DNA; 2457 BP.
AC T30736;
                                                                                                                                                                                                           0.3%;
Best Local Similarity 100.0%;
Matches 14; Conservative
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P.PEDB: W1473.

Prescribed and constroyen receptor beta - used to develop prodes for treating and constroyen. OSS diseases, osteoprories or cardiovascular fracting G. cancers. CSS diseases, osteoprories or cardiovascular fractions for the constroyen sectors. CSS diseases, osteoprories of the cardiomatical forms (TAMIN) and the cardiomatical first beta. A set of cardiomatical primary based on conserved sequences of the DNA.

CC degenerate primary based on conserved sequences of the DNA.

CC degenerate primary prostate cDNA. The PCR prod. was used to cused to emplify rat prostate cDNA. The PCR prod. was used to conserved and mann ergis cDNA. The PCR prod. was used to conserve a man prostate cDNA. The PCR prod. was used to conserve a mann resist cDNA. Ideary of this was used to conserve and thouse of prostate cDNA.

CC despensable and the prostate cDNA. The PCR prod. was used to construct the conserved of the cons
                                PR PFI: 94-167371/20.

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1.39: Score 15; DB 10; Length 1546;
Best Local Smillarity 100:00; Pred. No. 9178+01;
MATCHES 15; Conservative 0; Manatches 0; Indels 0;
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Matches 15; Conservative 0; Mismatches 0; Indels 0;
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Claim 1, Pig 1; 7pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT, 381
TO 0002373 standard; DNA; 2568 BP.
TO 0002374 standard; DNA; 2568 BP.
E. 2002374 standard; DNA; 2568 BP.
E. 2002374 standard; DNA; 2568 BP.
E. 20024 standard; DNA; 2589
F. 20024 
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                                                                                                                                                                                                                                                                                                                                                                        Prepared (17) reconcisions on numan entremoseme 11 pre-central region. Manage and applications of the prepared (17) reconcision (17) reconcisi
                                                                                                                                                        N60595;
Fig-607-1991 (first entry)
Fregnet BHS 53 homologous to human chromosome 11 pre-central region.
Prenatal ilagnosis; ss.
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P-550B: 188786:

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No. 9.376+01; Matches 15; Conservative 0; Mismarches 0; Indels 0;
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/41.1881
/*tag= a
/note= "alternative start codon at 448..450"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 380

TO 78242 standard; CDNA; 2568 BP.

TO 782421997 (List entry)

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RESULT 177

10 806595 standard; DNA; 2546 BP.

10 806595 standard; DNA; 2546 BP.

10 806951991 (diret entry)

11 806951991 (diret entry)

12 806951991 (diret entry)

12 806951991 (diret entry)

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Tue Nov 17 08:55:26 1998
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The DNA can be used to produce cellulase efficiently using recombinant DNA techniques. Sequence 1568 BP; 602 A; 701 C; 740 G; 525 T;
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Ouery Match 1.34; Score 14; DB 1; Length 2568; Best Local Similarity 100; 04; Pred. Ro. 3,76+02). Marches 14; Conservative 0; Mismatches 0; Indele 0;

RESULT 183

MODELLOS CHIEF CHITTY)

E Sequence of Irpatancean crust; gene encoding 65 kd protein

MODELLOS CHIEF CHITTY)

E Sequence of Irpatancean crust; gene encoding 65 kd protein

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RESULT 184

A 034064; standard; DRN, 2607 BP.

D 034064; STANDARD CALLED CALLED

Score 15; DB 4; Length 2607; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Gaps Query Match 1.3%; Best Local Similarity 100.0%; Matches 15; Conservative

RESULT 385 ID T35903 standard; cDNA; 2629 BP. AC T35903;

US-08-887-977-9.rng

19-JAN-1997 (first entry)
Segurnee encoding tobacco transketolase.
Transketolase, herbiolde; Nicotiana tabacum; identification;
Fransketolase, herbiolde; Nicotiana tabacum; identification;
Nicotiana tabacum. 60..2291/ /*tag= a /product= Transketolase. Coation/Qualifiers 60..2291

PR 28-723019-A2. /Product= Transketolase.

PR 21-723019-A2.

PR 21-723019-A2.

PR 21-251-1955. DC 100489.

PR 21-251-1955. DC 100489.

PR (SCEMU, SETHICATOR 1009.

PR (SCHMIGH R. SORDERALD 0. Stift M;

RADI 10-879. M3319.

PR PS (SCHMIGH R. SORDERALD 0. Stift M;

PR (SCHMIGH R. SORDERALD 0. STIFT)

CT (STIFT M;

ö 0.0mery Match 1.3%; Score 14; DB 24; Length 2639; Best Local Similarity 100:0%; Pred No. 3.4P-40; Indels 0; Gaps Macches 14; Conservative 0; Mismatches 0 Dindels 0; Gaps

NESTLE 386

AN OBLATY-1985 (first entry)

DE RR-Lipha-1095 (first entry)

NE Alfactentiation, dominant negative; retrovirus, vector; neutrophil; we nonocypte mate call; bacophil; ds.

NE RR-Lipha-1095 (first entry)

DE RR-

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Page 377

US-08-887-977-9.xng

the 65kd polypoptide fragments and a 70kd polypoptide, diagnostic reagent for Chagas' disease can be made: 65kd polypoptide and 70kd polypoptide are recognised by all of the Chagasic sera tested, but not by Leishmania

Bera. Sequence 2572 BP; 629 A; 623 C; 794 G; 526 T;

Query Match 1.3% Score 14, DB 1; Length 2572; PBsst Local Similarity 100 04, Pred Rev. 3.478+02. Matches 14, Conservative 0; Minmatches 0; Indels 0;

RESULT 383

10 (31385) standard; cDNA, 2607 BP.

10 (31385) standard; cDNA, 2607 BP.

11 (31385) standard; cDNA, 2607 BP.

12 (21385) standard; cDNA, 2607 BP.

13 (21385) standard; cDNA, 2607 BP.

13 (2145) standard; cDNA, 2607 BP.

14 (2145) standard; cDNA, 2607 BP.

15 (2145) standard; cDNA, 2607 BP.

16 (2145) standard; cDNA, 2607 BP.

17 (2145) standard; cDNA, 2607 BP.

18 (2145) sta

PR 30433035-A. Prince a property of the transfer of the property of the transfer of the transf

Ouery Match Berlin 134; Score 15; DB 6; Length 2607; Best Local Similarity 100; 04; Pref Re. 9774-01; Manatches 15; Conservative 0; Mismatches 0; Indels 0;

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Tue Nov 17 08:55:26 1998

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Query Match 1131, Score 14, DB 29, Length 2690; Best Local Similarity 100:09, Peter No. 14-Pe-02; Matches 0, Indels 0; Gaps Matches 14; Conservative 0; Mimarches 0; Indels 0; Gaps
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To 159999 standard; cDNA; 2690 BP.

To 059999; standard; cDNA; 2690 BP.

DE Remain RRA polymerase transcription factor elongin A submit cDNA.

RWA DOLYMARS transcription factor; elongation fa
                                                                                                                                                       PR 28-701-1995.

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PR 28-
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In 709976 and dard, DNN: 2708 BP.

In 709976 (Atta entry)

Entropy 1997 (Atta entry)

Response and Entropy and Entry)

Response and Entry

Aninocylopropue-1-carboxylate-gaminae;

Response and Entry

Response and En
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       US-08-887-977-9. Eng
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Best Local Similarity 100,0; Pred, No. 3.478-02;
Matches 14; Conservative 0; Mimmatches 0; Indels 0; Gaps
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-RESULT 390

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ment personal/vor-increased mayor content, increased fundal or viral resistance, or increased mayor content, increased fundal or viral resistance, or increased thritten Stopynthesis English. Disclosure: 78gg 56, 55gg 56, 52gg 18h.

The 318 The Annual DNA, 2708 BP. To September 2018 The September 2018

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US-08-887-977-9. Eng
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Page 387
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13-MAY-1996 (first entry)
Rec Gal-bett-1, Joshiko, alpha-2, 3-stalic moid transferses DWA.
Rodent; Gal-bett-1, Joshiko, alpha-2, 3-stalic moid transferses DWA.
Spicoligid; 9ycoprotein, discondatide; Gal-bett-1, 3-Galiko; albha-3, sialic moid; prevention; oancer metastasis; viral infection; anti-inflammatory; nerve cell stimulation; P-F4M; P-F4M; da.
Ret norvegicus.
Location/Qualifier*
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1. Linis

1. Artes a

1. Product Gal-beta-1,3GalWac,alpha-2,3-sialic acid

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                                  Query Match 1.34; Score 14; DB 11; Length 2733; Best Local Similarity 100 04; Pred No. 3.476+02; Marches 14; Conservative 0; Manatches 0; Indels 0;
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INCOME. 395
INCOME.
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Sequence 2725 BP; 654 A; 732 C; 730 G; 609 T;
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CA108606.A. In the specification.

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misc_difference 233..239
//rig= c //rig
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Ouery Match

1.3%: Score 14; DB 15; Length 2746;
Best Local Similarity 100:09; Pred; No. 347440;
Matches 14; Conservative 0; Mismatches 0; Indels 0;

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ESSUIT 334

No. 173335 standard; CDNB, 2730 BP.

To 24-2721-1997 (first earry)

DE Manna derenol-ordertopy (ALD) wild-type gene.

Midrenol-ordertopy gene therapy; retroviral vector MH8:

NN addrenol-ordertopy gene therapy; retroviral vector MH8:

NN Addrenol-ordertopy; retroviral vector MH8:
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Page 388

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US-08-887-977-9. mg

Rice; starch; transit peptide; pectin; cereal; aminopectin; seeds; reverse transcriptuse; plaques; ss. Corys activa. Location/Qualifiers Key 5'utr

transit_peptide 18

mat_peptide

3'utr

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10.48

558 C; 674 G; 749 T; rice. Sequence 2733 BP; 752 A;

Oncery Match 1.39; Score 14; DB 10; Length 2733; Best Local Similarity 100.04; Pred No. 3.476+02. Maken Macches 14; Conservative 0; Mismatches 0; Indels 0;

RESULT 195

D GG1315 standard; cDRA to mRRA; 2733 SP.

AC GG1315 standard; cDRA to mRRA; 2733 SP.

D GG1315 1955 (first entry)

DZ Rice starch branching ensyme coding sequence.

RA Rice starch branching ensyme; oryga sativa; anylopectin; albumen;

RG Starch; se.

S Gryz sativa.

Location/Qualifiers

Tue Nov 17 08:55:26 1998

Db 640 tcctgtgccgggag 653 |||||||||||||||||||||||||||Qy 1012 TccTgTgccGGGAG 1025

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. rng

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18-JUL-1996.
PR 113-JUL-1996.
PR 113-JUL
```

Query Match 1.3%; Score 14; DB 25; Length 2750; Best Local Similarity 100:04; Pred No. 3.474-07; Machine 14; Conservative 0; Mimmatches 0; Indels 0; Gaps 0;

qq Š

```
RESULT 395
ID 180976; standard; DNN, 2762 BP.

AC 180976;
DE 50976; standard; DNN, 2762 BP.

AC 1809776;
DE 50976; standard; DNN, 5762 BP.

DE 50976; standard; DNN, 5762 BP.

AN Hypobacterial insertion sequences (ISM)

AN Hypobacterial insert
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US-08-887-977-9. Ing

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Prepared Missister Marchiloprocease - is differentially expressed for the Principle Missister Mi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Spondylitis, rheumatonu v. disease. Sequence 2763 BP; 849 A; 537 C; 610 G; 767 T; Sequence 2763 BP; 849 A; 537 C; 610 G; 767 T;
```

```
Location/Qualiflers
222. :2304
/*tag= a
2722. :272
/*tag= c
1/57. :1781
/*tag= c
```

Tue Nov 17 08:55:26 1998

```
(UYCA-) UNIV CASE WESTERN RESERVE. HAGGI T. Tindal MH; WPI; 97-4486.26/41. P-PSDB; W35.293.
```

Query Match 1.3%; Score 14, DB 36; Length 2763; Pest Local Similarity 100 04; Pred Ro. 374ev2). Matches 14; Conservative 0; Himmatches 0; Indels 0;

ö

RESULT 337

10.01339 standard; CDNA; 2781 BP.

10.01359 standard; CDNA; 2781 BP.

10.01359 (first entry)

10.01359 CNN dequence.

10.01350 CNN dequenc

Tue Nov 17 08:55:26 1998

16-701-1931.

PP 16-701-1931.

PR 6-800-1930; 019-61/901.

PR 6-800-1930; 019-61/901.

PR 6-800-1930; 019-61/901.

PR 76-800-1930; 019-61/901.

PR 76-800-1930; 019-61/901.

PR 76-800-1930; 019-61/901.

PR 800-1930 | 1819-1930.

PR 800-1930 | 1810-1930.

ö Query Match 1.3%; Score 14, DB 2, Length 2781;
Best Local Similarity 100.0%; Pred No. 3,479-42;
Matches 14, Conservative 0; Mismatches 0; Indels 0; Gaps RESULT 398
D GSS617: 400 SPD.
C GSS617: 9860 SPD.
D GSS618: 9860 S

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US-08-887-977-9. rng

PR 22-ARP-1988; 30.0657.

PR (AFAT-1989): Ga-005833.

PR (AFAT-19893): Ga-005833.

PR (AFAT-19883): Ga-005833.

PR (AFAT-19883):

Tay Secret Match 139, Score 14, DB 1; Length 2762; Beat Local Smilarity 10.09, Pred No. 340-42, Indels 0; Matches 14, Conservative 0; Mismatches 0; Indels 0; Gaps

Db 2412 tgatgttggggctt 2425 611 TGATGTTGGGCTT 624 ŏ

```
RESULT 396
D 795212 standard; DRA, 2763 BP.
E 795212 standard; DRA, 2763 BP.
D 795212 standard; DRA, 2763 BP.
D 795212 standard; DRA, 2763 BP.
D 8 1011cegil) metalloprotease (aggroconase) gene.
E 1011cegil) metalloprotease arbhitis; osecoarbhitis; diagnosis; as signocoarbe; arbhitis; osecoarbhitis; diagnosis; as signocoarbe; arbhitis; osecoarbhitis; as signocoarbe; arbhitis; osecoarbhitis; as signocoarbe; arbhitis; osecoarbhitis; as most signocoarbe; arbhitis; as a foreign arbhitis; arbhitis; as a foreign arbhitis; as a fo
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Page 391

US-08-887-977-9.zng

Page 392

/product= Tbp1

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9.rng

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This represents the plot CHNM securior. This cDNM was isolated using probes designed using fragments of the plot aminor cid serges can be calso Shidis-17). The protein plot as a tumour approach or product which is involved in cell oycle regulatory activity plot has been shown to be structurally add functionally staines to the protein of the returbulation and cellular proteins at a binding domain designated the 'plot pocket' the plot pocket can perform a T-plot binding function and a EAA-plot binding function and a EAA-plot binding function and a EAA-plot securing their respective 'pocket's but very little incomblogy outside this sequence 7808 Bp or day sequence has been decided to 764 Tr. Sequence 2808 Bp or day sequence has been cloud to map to 704 III.
                   888888888888
                                      PRESENCE AND A PRODUCT - 1294.

PRESENCE A PRO
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Query Match 1.3%, Score 14, DB 5; Length 2809; Best Local Similarity 100 0%, Pred No. 3.474-02; Indels Matches 14, Conservative 0; Mismatches 0; Indels

Db 2134 ctttgtgcctttta 2147 [11] [11] [11] Cp 727 CTTTGTGCCTTTTA 714

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PR W09117251-A. PROGUCT-801 LAW INCEPTURE
PRO 14-W07-1391
PR 10-W07-1391
PR 10-W0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
1..2805
/*tag* a
/product=sol IGF receptor
RESULT 400

TO GAIS! at standard; CDNs, 2016 BP.

TO 14-F28-1992 (first entry)

DE SOLUTE human IGF-I sceeppoor gene.

TO SOLUTE g
```

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Query Match 1.3%; Scor 14, DB 9; Length 2800; Best Lench Similarity 100.0%; Pred No. 3.478402; Metches 14; Conservative 0; Himmatches 0; Indels

RESULT 399
10.0365; standard; cDNA; 2808 BP.
AC 01365; standard; cDNA; 2808 BP.
DE Nearly complete plJC 0501.
NA 014MY-1993 (first entry)
DE Nearly complete plJC 0501.
NA 0107; proces cDNA; amplify; primer; clone; tumour; suppressor; gene; plJC; proces cDNA; amplify; primer; clone; tumour; suppressor; gene; relative complete plJC 0501.
NA 0107; proces cDNA; amplify; primer; clone; tumour; suppressor; gene; relative complete plJC 0501.
NA vital, collinar; binding domain; pocket; T-plO7; binding function; processor in the plJC 0502.1997
NA 0500 0501.
NA 0502.1997
PP 10.0407
PP 1

Tue Nov 17 08:55:26 1998

g

WO31723-A.

PW MO31723-A.

PW MO31723-A.

PW MO31723-A.

PW MO31723-A.

PW MO31723-A.

PW MONON BURNOISE A/S.

PW Hithorg PC Older F. Bool E. Kjeldeen TB, Moller NPB;

PW STATA 4402.

PW Mammalian cells concy. hybrid DRM for extracellular receptor. Including exons from two separate receptors. having improved principling exons from the fall length oDNA sequence of the soluble consult. This grack factor [167] receptor. It can be used to produce the soluble consulting in the produce of the soluble consulting in the growth factor (167) receptor. It can be used to produce the produce of the soluble consulting in the growth factor (167) receptor. The sequence constitution is growth factor (167) receptor this factor is the polypeptide extinct this factor is the plantingen activator; when the present produce is the polypeptides of the factor of the fac SGUZ 401

Q14380, standard; DNA; 2816 BP.

Q14380, standard; DNA; 2816 BP.

T 44-F821-1922 (fixat entry)

E Soluble Insulin-like Growth Factor receptor gene.

R Extracellular receptor; IGF; da.

I. Zeoston/Qualifiers

7 cds

/*tag* a

US-08-887-977-9. Eng

published by Ullrich et al (The EMBO Journal \$(120), 1986, pp 2503-212). The sequence can be lighted to Day encoding a sol, insulin receptor (see 01481) to prepare a hybrid protein. This new receptor (see 01481) to prepare a hybrid protein. This new receptor is needed for something to lighted and for leadlish the standard Endian set. To several for establishing the 3-D attendard the lighted binding site and for designing analogues of the Control of the Standard Section of Section 1212 and 1212 888888888

Query Match 13%; Score 14; DB 3; Length 2816; Bert Local Similarity 10%; Pred. No. 3.476-02; Indels 0; Gaps Matches 14; Conservative 0; Mismatchies 0; Indels 0; Gaps

g,

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737 G; 568 T; Length 2816; 798 C; SQ Sequence 2816 BP; 713 A;

Query Match 1.3%; Score 14; DB 3; L Best Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0

/*tag= //*tag= ILT 402
013390 standard; cDRN, 1830 SP.
013390 standard; cDRN, 1830 SP.
013390 standard; cErret entry)
Encodes 1708D heavy chain of the Cal/GalRNc adherence lectio.
Encodes 1708D heavy chain of the Cal/GalRNc adherence lectio.
Entrangento sproders, mercynidates les amoebic trophosoite; ss.
Fry Theramocha histolytics attain NIT 903
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Entranged All Production (733, 773)

78 27-205-1391 (1993)

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ö O; Caps Query Match 1.3; Score 14; DB 2; Length 2830; Best Local Smilarity 100.09; Pred. No. 3.478-402; Indels Matches 14; Conservative 0; Mismatches 0; Indels

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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. zng

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US-08-887-977-9.zmg

912 TGTGCTCTACGCTF 925

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09/441;
71.507-1995 (first entry)
Grasshopper semalpoxi = CDNA.
Semaplorin grasshopper: human: vaccinia virus; Drosophila; Tribolium;
Semaplorin; grasshopper: human: vaccinia virus; Drosophila; Tribolium;
additoia mistore virus; sanipaxi semaplorin receptor binding activity;
modificion; nerve cell growth; immine tespones; viral pathogenesis;
neurological disease; neuro-regeneration; oncological infection; ds.
Grasshopper sp. Location/Unalifiers
ds. 757.7563 RESULT 403

Oggital attandard; CDNA; 2854 BP.

Oggital attandard; CDNA; 100NA; variola and prevents of property; items somethation; variola and prevents of attangent attan

/*tag= a /product= grasshopper semaphorin

W09507706-A.

W09507706-A.

PD 13-MR 1995:

PD 804 A; 637 C; 650 G; 763 T;

W09432606-A.

PD 10780-1994.

PD 10780-1994.

PD 10780-1994.

PD 10780-1994.

PD 10780-1995.

HESOLZ 404

COTATOL: 1905 (first entry)

FOR ENTRY ENT

Owery Match 1.39: Score 14; DB 15; Leugth 2854; Best Local Similarity 100:09: Pred. No. 3474+02; Matches 14; Conservative 0; Manatches 0; Indels 0;

366 tgtgetetacgett 379

Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

0.00ery Match 1.3%; Score 14; DB 12; Length 2857; Best Local Similarity 100:04; Pred 18 NO: 3479-02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

Ouery Match
One 1 March
One 1 March Similarity 10:019, Prefer No. 31 40+02;
Matches 14: Conservative 0; Mismatches 0; Indels 0; Gaps

ö

CC R65965. The GAPDH promoter is useful for expressing foreign genes co. in r. incerement. CO Section of Services of Services

ö

NESULT 405

DE 77370 standard; cDM3; 2866 SP.

DE 77370 standard; cDM3; 2866 SP.

DE 774742-1995 ((first enry))

DE 774742-1995 ((first enry))

TWE PSSIC-indiag protein 55.11 cDM3,

NEW 1995 (14.2706 CONTINE R. PSSIC;

NEW 1995 (14.2706 CONTINE R. PSSIC;

NEW 20131544-11

PS 21-70071955

PS 11-MAY-1994; 11-110953.

PR 10-1007199.

PR 10

PT W09331544-A1. /*t4g= a

PD 21-W0V-1995;
PD

Page 399

US-08-887-977-9.rng

g,

would; son (first entry)
13 0002-1991 (first entry)
13 Nover-1991 (first entry)
14 Norwecker, E. coli; cloning; sequencing; mutagenesis; polylinker; transcription; se
Batterlophage 73Key
Location/Country
Location/Country

/*tag= c /note= *E. coli RNA polymerase*

769 G; 746 A; 733 C;

Page 400

Tue Nov 17 08:55:26 1998

/*tag= a /abel= 7.1abel= 2810. 7832 /*tag= b /*tag= "T3 RNA polymerase" 47..76

The Transfer of the Transfer o

628 T;

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9.mg

Tue Nov 17 08:55:26 1998

Page 401

RESULT 166421 standard; CDNN to BRNN; 2922 BP.
Af 766421 standard; CDNN to BRNN; 2922 BP.
Dr. Thory-1997 (first entry)
DR. Human P100 protein coding sequence.
No numera 268 protessame: P100 protein; protesse; yeast; oncogene;
NN canner cell; liver; kidney, diagnosis; malignant tumour; ds.
OS Romo eapless.

Location/Qualifiers
34..2760
/*tag= a
/product= P100 protein

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ö
  Score 15; DB 2; Length 2876;
Pred. No. 8.37e+01;
0; Mismatches 0; Indels
Length 2876;
  Ouery Match
Best Local Similarity 100.0%;
Matches 15; Conservative
```

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PR 109075082-A. Product* Plo0 protein
PR 209075082-A. Product* Plo0 protein
PR 215-MRN 1197.
PR 111-879-1995; JP-213183.
PR 111-879-1995; JP-2

Query Match
1.3%; Score 14; DB 14; Length 2884;
Best Local Similarity 100.0%; Pred. No. 3.47846;
Best Local Similarity 100.0%; Pred. Namatches 0; Indels 0; Gaps

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Tue Nov 17 08:55:26 1998

380 acaagtcctcaggct 394 È

Fig. (15.17) ((421.411-22)); breakpoint; polymerase chain reaction; se. 59 minetic.

Fig. (10.1.18) (10.18

Desery Match 134: Score 15; DB 5; Length 2929; Best Local Similarity 100.04; Pred 100. 8.79-40; Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0.

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Page 403

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RESOIT 409
AC 029318 standard; cDRA; 2928 BP.
AC 029318 standard; cIrat entry)
DE RAR-Alpha deneDE RAR-Alpha deneDE Recordor and deneTRA Retained acid enceptor; RAR-alpha; myl; acute promyelocytic leukemia; KW Retin

Quart Match 1.3%; Score 14; DB 29; Length 2922;
Best Local Similarity 10.0%; Pred. No. 3.47e-02.
Matches 14; Conservative 0; Minmatches 0; Indels 0; Gaps

g

PD 11-MX-1994.

PD 11-MX-1994.

PD 10-OCT-1993; UG 956893.

PD 00-CT-1993; UG 969893.

PD 00-CT-1993;

Ouery Match 134, Score 14, DB 10; Length 2937; Best Local Similarity 100:04; Pred 16:0. 3.479-07; McChes 14, Conservative 0; Mismatches 0, Indels 0; Gaps

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US-08-887-977-9.zng
Tue Nov 17 08:55:26 1998
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H. HUTC-; HUTCHINSON CANCER RES CERT PRED.

Oull: 18-0212741

DR 1971 95-0212741

DR 1971 95-0212741

DR 1972 95-0212741

Proper Residual Resolution of the residual 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
1.3% Score 15; DB 14; Length 2940;
Best Local Similarity 100:0%, Pred. No. 8.754-01;
Marches 15; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               N9012-1899 (first entry)
DAN of close phases
Close phases; human
complexes; human
Key
Key
103.1449
103.1449

/*tag= a
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Tue Nov 17 08:55:26 1998
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DNN encoding retinoic acid receptor proteins used to produce proteins for studying complexes with ligands and in diagnostic assays.

Disclosure: (147, 113; 759; 759; English and the close polysh courty in the primary sequence of a protein (see corresp. P90395) that has ligand binding and

NO8905355-A. 15-0464 a
115-0781-1899.
01-DE-1989; 004284.
02-DE-1989; 02-276556.
67-ALS Selk Inst for Biological Stud
Foras BM: diquere V, Ong ES, Segui PS;
P-PSDB; P90395.

Best Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

P-19303; WASPTY

The present of the property of the property of the presence o DE TOTAL 144

TO TOP9433 standard: DNA, 2970 BP.

THE MESS 1990 (dirac entry)

THE MESS 1990 (direct entry)

THE MESS 1990 (direct

Page 407

112999;
0-100-100 (first entry)
Nirste reductase coding sequence.
Nitrate reductase; populus nigar; absorbtion; nitrogen oxide; pollutant;

PH 108021978-A. (***Age e pp 10-02-25)
PP 14-02-1996; AS196; PP 14-02-1996; AS196; PP 14-02-1996; AS196; PP 14-02-1996; AS196; AS /*tag= a /product* nitrate reductase /product* nitrate reductase /*tag= b /noce* *binding site for the primer represented by Tillogo ESCUT. 1299 standard, CDM to mRUN, 1981 BP. 171299 standard, CDM to 171299 standard, CDM to 171299 standard; CDM to 171299 standard; CDM to 171299 standard; CDM sequence.

KN Mittate reductase; Oppulan injar: absorbting sequence.

NS Populan injar. Cocation/Qualifiers of 171 cds / Product injar. Absorbting region of 171 cds / Product injar. Absorbting region of 171 cocation/Qualifiers reductase; Prince Dind complement (157:.77) region of 171 cocation/Qualifiers reductase; Prince Dind complement (1417..1472) region of 171 cocation/Cocation region regions region re

Query Match
1.3%; Score 14; DB 20; Length 2982;
Bat Local Similarity 100; 04; Pred. No. 3478-02;
Matches 14; Conserwative 0; Mismarches 0; Indels 0;

Query Match 1.3%; Score 14; DB 38; Length 2970; Best Local Similarity 100.0%; Pred. No. 3.47e+02;

Page 405

Tue Nov 17 08:55:26 1998

US-08-887-977-9.zmg

Page 406

cc transcription activating properties of retinoic acid receptor (RAR) proceds. Used to make chimerio receptors, cc to produce receptor, to study binding complexes, and to acreen cpds. Cc for RAR septoints and actagonis

Outery Match 1.3%; Score 15; DB 1; Length 2940; Beat Local Similarity 100; 0%; Pref. No. 9.774-01, No. 404-04-04, No. 404-04-04, Manchone 15; Conservative 0; Mismatches 0; Indels 0;

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RESULT 413

ID 715390 standard; DNN; 2951 BP.

AC 715390 standard; DNN; 2951 BP.

DYN; 1977 (Itrat entry)

Explaination child destributes of proplated by proplated by proplated by the proplate of the properties of the proplate of the prop PR W09621424-A. Perduct= Soluble Chilinase
DD 2-200-1996.
R13-200-1996.
R2 13-200-1996.
R3 13-

1.3%; Score 14; DB 24; Length 2951;

Tue Hov 17 08:55:26 1998

0; Indels 0; US-08-887-977-9. xng 0; Mismatches Matches 14; Conservative

US-08-887-977-9. xng

```
RESULT 418

D 171713 standard: DNA: 3016 BP.

D 171715 standard: DNA: 3016 BP.

D 171715 standard: DNA: 3016 BP.

E Honopanin gene; irranversion: mitation; retinitis pigmentos; FR Honopanin gene; irranversion: mitation; retinitis pigmentos; FR Honopanin photoiaretion; propertion of the primer bind propertion of the primer and 17120 (normal) and 502 (normal) and primer and primer and primer and primer and primer primer. Dind (normal) and primers and (17122) (normal) and 502 (normal) and 503 (normal) an
     US-08-887-977-9. ING
                                                                                                                                                                         Tue Nov 17 08:55:26 1998
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Tue Nov 17 08:55:26 1998

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PB 01-0CT-1992.

PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1992.

PR 22-MR-1993.

PR 22-MR-1993
```

Query Match 1036, Score 15; DB 5; Length 1036; Best Local Similarity 100; Pred No. 9.754-601; Indels 0; Marches 0; Indels 0; Gaps ŝ g

RESULT 418

NEW YOON'S student's DNA: 3036 BP.

NEW YOON'S student's DNA: 3036 BP.

TO 17-4018-1998 (first entry)

BE Haman PHC/Makalpha conception.

NEW Haman PHC/Makalpha conception.

NEW CANCET: antienne oligonuclectide: PHL/RAkalpha; ds.

NEW CANCET: Antienne oligonuclectide: PHL/RAkalpha; ds.

NEW SEP-1994, 106691.

PR 15-SEP-1994, US-206691.

PR 15-SEP-1994, Anticancer composition comprising two anti-sense oligo:nucleotide(s) - taxgetting cyrophasmic and nuclear oncogene(s) claim 1; column 145-136; 93pp; Emplish.

Page 411

Tue Nov 17 08:55:26 1998

```
The present dequence represents an oncogene from the present invention. The present invention describes a composition which comprises the or artistance oligonous content are intense objection of the composition which comprises the orthogone of proto-oncogene selected from ras, tot, or for an orthogone or proto-oncogene selected from ras, tot, or orthogone or composition or or proto-oncogene exterted from myr, into orthogone or orthogone orthogone or orthogone or orthogone or orthogone or orthogone or orthogone orthogone or orthogone or orthogone or orthogone or orthogone or orthogone orthogone or orthogone orecord orthogone or orthogone or orthogone or orthogone or orthogo
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```

PH 706211898-A.
PP 12-102-1394.
PP 12-102-1394.
PP 12-102-1391.
PR 12-102-1391.
PR 12-102-1391.
PR 12-102-1391.
PR 12-102-1391.
PR 12-1391.
PR 12-1391 RESULT 419

0 667405, 95 (first entry)

D 667405, 95 (first entry)

D 79.4877-1935 (first entry)

R Marken on Parken on Colong sequence.

R Marken on Parken on Parken on Colong sequence.

R Autofamour disease, parkening in markenaid disease;

R Marken on Section of Colong on Colong on

Page 410

Tue Nov 17 08:55:26 1998

9-PSDB: R93116.
Diagnosis of hereditary retinal degenerative diseases e.g. retinitis
Diagnosis of hereditary retinal degenerative diseases e.g. retinitis
Asymptosa, caused by a human photoseceptor protein mutation, by
detection of the mutation by PCR amplification or hybridisation
detectiods

Promished to column 19-24; 71pp; English.

Example 1. Column 19-24; 71pp; English.

CC This sequence encodes human indoopsile, and is aborn without thris sequence encodes human indoopsile, and is aborn in Tillis.

Substitution of Mistidine for the normal nonpolar amino acid to substitution of Mistidine for the normal nonpolar amino acid trents in a departurement of which a first post of the column of the post of the column of the co

Query Match
1.3%, Score 15; DB 19; Length 3016;
Best Local Similarity 100.6; Pred. No. 8.378-01;
Morches 15; Conservative 0; Mimatches 0; Indels 0; Gaps RESULT 417

TO 029344

AC 029345

US-08-887-977-9.zng

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9.rng

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PT N09313134.A.

PD 47-0913134.A.

PD 47-0913134.A.

PD 47-0913134.A.

PD 47-0913134.A.

PD 47-09131.B.

PD 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESOUT. 120

CO1833 standard: ODN: 3129 BD.

DE Rhodopsin genefizat entry)

EN Human: Indedpsin mutant: retinal degeneration: primer; probe; Mr Human: hodopsin mutant: retinal degeneration: primer; probe; Mr Human: hodopsin mutant: retinal degeneration: primer; probe; Mr Human: hodopsin mutant: retinal degeneration: primer; probe; Mr Mr Frim_transcript 200.1341

Frim_transcript 2
          Length 3123;
Query Match 1.3%; Score 15; DB 12;
Best Local Similarity 100.0%; Pred. No. 8.37e+01
Matches 15; Conservative 0; Mismatches
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PP 30-APR-1991 DK016.

PP 30-APR-1991 DK016.

R 100-APR-1990 RECORDER A/6.

R 100-APR-1990 RECORDER APR-1990 RECORDER APP-1990 RECORDER APP-1990

Query Match 1.3%; Score 14; DB 3; Length 3141; BB 58est Local Similarity 100 (0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Minmatches 0; Indels 0;

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RESULT 422
D 014815 standard; CDNA; 3141 BP. .
AC 014815;
DT 14-FFB-1992 (first entry)
DF Byrid human insulin-TGF-I receptor gene.
KW Insulin-like growth factor; IGF-I; ds.

/*tag= a /note= "Extracellular domain of hybrid insulin/ IGF-I receptor"

```
0, Indels 0, Gaps
Query Match 1.3%; Score 15; DB 7; Length 3129; Best Local Similarity 100 0%; Pred. No. 8.374-0; Indels Matches 15; Conservative 0; Mismatches 0; Indels
                                                                윱
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US-08-887-977-9.IDG

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15.959

"tags by 25.2587

953..287

"tags c

/tags c

/tags c
 Location/Qualifiers
12..2857
/*tag= a
/*product=hybrid receptor
12..952
Homo sapiens.
Key
cds
```

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US-08-887-977-9. rng
                                                                                                                                                                                                                                                                                                                                                         RESULT 423

AC 152360,
AC 152360,
DE Mann origin of replication complex ORC1 gene.
DE Mann origin of replication complex ORC1 gene therep;
SW Origin of replication complex; ORC; gene therep;
SW Excell of replication or present the second of the second or s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
220..2805
/*tag= a
                                                                                                                                                                                                                                                                                  Tue Nov 17 08:55:26 1998
                                                                                                                                                                                                                                                                                                                                                                                                                     · 6
Page 415
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Page 416

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PR W09640977-A1.

PD 10-202-1996.

10-202-1996.

RO -UNE-1996.

RO -UNE-1996.

RO -UNE-1996.

RO SPRING MARDON LAB.

RO -UNE-1996.

RO SPRING MARDON LAB.

RO -UNE-1996.

RO SPRING MARDON LAB.

RO -UNE-1996.

RO -UNE-
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1.35; Score 14; DB 30; Length 3214;
Best Local Similarity 100, 04; Pred No. 3.474-05;
Marche at 4; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Db 2190 cctgccagagcgaa 2203
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Omery Match 1.3%; Score 14; DB 3; Length 3141; Bast Local Similarity 100:04; Pred 10:3,3474-02; Indele 0; Gaps Marches 14; Conservative 0; Minmatches 0; Indele 0; Gaps

833 CCTGCCAGAGCGAA 846

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US-08-887-977-9.rpg

US-08-887-977-9. rng

833 CCTGCCAGAGCGAA 846

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RESULT 424

DE 77387; standard: CDNA: 3314 BP.

DE 77387; standard: CDNA: 3314 BP.

RE FORT-1997 (first entry)

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PER USSESSIBLES.

PER USSESSIBLE.

PER USSES

PR GE310747-1.
PR GE3107477-1.
PR GE3107477-1.
PR 25-1007-1395; 034453.
PR 25-1007-1395; 034453.
PR 25-1007-1395; 034453.
PR 25-1007-1395; 03-073555.
PR 27-1395; 03-073555.
PR 14-1007-1395; 03-07355.
PR 14-1007-1395; 03-07355. Description (123)

Typose standard; DNA; 3333 BP.

Description: 1998 (first entry)

BRAZ cancer susceptibility gene; breat cancer; ownine nates on the process of the proce

Tue Nov 17 08:55:26 1998

US-08-887-977-9. zng

Page 420

Per New REL-Silencing Transcription factor (REST protein) - used
Therapeutically to control differentiation and activity of neural
Per Citian (8. s.g. 6. 5. s.g. 6. 5. s.g. 10 para center
Citian (8. s.g. 6. 5. s.g. 10 para center
Control of the sequence (1110) per Department of the Control 28888888888888888

Score 14; DB 24; Length 3291; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

RESULT 427

10.1806 standard; DNA: 3303 BP.

COL4606 standard; DNA: 3303 BP.

COL4606 standard; DNA: 3303 BP.

COL4606 standard; DNA: 3303 BP.

DE 10.1802 standard; DNA: 3303 BP.

Refinite targetises of times to targetise; Answer; Lepidoptera larvae; Midgite targetise; Lancelide; Answer; Lepidoptera larvae; Midgite targetise; Marcial endocoati; as.

Sacillus thuringiensis var. tenebricais.

NOS-10.1707 of Allorica Nuclear Polyhedrosis Virus.

PO-10.1707 of Allorica Virus.

COL PO-10.1106 of Allorica Virus.

COL PO-10.106 of Allorica Virus.

COL PO-106 of Allorica Virus.

COL PO-107 of Allorica Virus.

Page 419

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Ouery Match Bernal 1.34; Score 14; DB 31; Length 3214; Best Local Smilarity 100; 04; Pred. Ro. 3.476+02, Marches 14; Conservative 0; Marmarches 0; Indels 0;

2190 cctgccagagcgaa 2203

US-08-887-977-9.ID Tue Nov 17 08:55:26 1998

diagnosing susceptibility or predisposition to cancer in a patient. The nucleic acid mobiles are used to design probles or primes for PGR to determine or determine which is a useful form a patient. The BRAZA promoter region is a useful for accepting for subsequence with reduced and under the superseason of nucleic acid moters. The content of the response to the expression of nucleic acid under the mount of lone promoter. Annibidises used to determine the pressure, heaving to lone promoter. The BRAZA promoter is there are useful or a BRAZA promoter there are useful or a BRAZA promoter there are useful or a braze which minimize which can be used as which minimize writer if the are supplicitly of the are supplicitly of the are supplicitly to a supplicitly of the are supplicitly and a supplicitly of the are supplied to the area of the area of

Gaps 0; 0; Indels 0; Length 3233; Query Match 1.3%; Score 15; DB 35; 18est Local Similarity 100.0%; Pred. No. 8.37e+01; Matches 15; Conservative 0; Mismatches 0.

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| The control of the

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Length 3320; o, Indels

832 G;

Tue Nov 17 08:55:26 1998

8888888

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W NO973199-A2 Competizion with Culva sequence in 1942-4-
D 00-0AN-1997 111186.
R 14-A7C-1995 105-005328.
R 18-A7C-1995 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers

138.476

Anumber - Approximate position; determined from data from - Approximate position; determined from data from - Approximate position; determined from data comparison with cDN sequence in 75124

139.130.1314

Anumber - Approximate position; determined from data from - Approximate position; determined from data from - Approximate from data comparison with cDN sequence in 75124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ESSULT 423

DE 751356 standard, DNA; 3149 BP.

DE REAL STATES STANDARD STAN
                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.3%; Score 14; DB 38; Seat Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                           844 C;
                                                                                                                                                                                                                                                                                  922 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diagnostic tools.
Sequence 3320 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tue Nov 17 08:55:26 1998
Tue Nov 17 08:55:26 1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Page 423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 430

16035 standard; DNN, 3369 BP.

17035 standard; DNN, 3369 BP.

170 20487.197 (first entry)

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 13%, Score 14; DB 3; Length 3303; Bast Local Similarity 100; Pred 16; 3: 75+02; Matches 14; Conservative 0; Mismatches 0; Caps
                                                                                                                                                                                      signals for bacterial endocoxina. Of three different Bit/gp64 gene fisions that were constructed, pRY10 was the longest. It was tribleformed throw 2.0011 Bill and expressed. When tested spain the construction of the constructi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             134; Score 14; DB 33; Length 3349;
Best Local Similarity 100; Pred, No. 3.47e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 428

DO 909508 standard; DNA; 3370 BP.

DO 909508 standard; DNA; 3370 BP.

DO 1909508

ED 1909508

DO 1909508 standard; DNA; DO, protein; ENP protein; Vaccine;

NA dissince retrovitus; PDEV; DO, protein; ENP protein; Vaccine;

ENF COS 12.2793

PT CDS 72.2793

FFT CDS 742.237

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Page 424

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Query Match 1369; Score 14: DB 29; Length 1369; Best Local Similarity 100:00, Pred. No. 3.476-07; Indels 0; Gaps Matches 14; Conservative 0; Mimmatches 0; Gaps

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RESULT 411

DE ACTOR Standard; CDRB: 1376 BP.

ACTOR STANDARD (first entry)

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Monogagoue, Monote General in the Ol Variant' 28-28-1996.
20-WAR-1995 [U03-80]
WAR-1995 [U03-8

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Page 426

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US-08-887-977-9. IBG

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Immunoassay and mRNA hybridisation assay for beta-5 protein - useful for the detection of carcinoma(s) and to distinguish different cell
                                                                                                                                             types (limin 11. Columns 11-20; 21pp; English. The present sequence encodes the human integrin beta subunit protein, beta-5, which is found in carcinomas but not in lymphol cells. An immunosasy for the detection of beta-5, comprises contacting a sample with a monoclonal antibody (Ab) which bluds occurred the a sample with a monoclonal antibody (Ab) which bluds neptrope of beta-5 and them with a labellad Ab blind bluds another epitrope of beta-5 and detecting any bound label. An assay for the beta-5 and detecting any bound label. An assay for hybridising to the beta-5 chy, and determining if binding has cocurred. These assays are useful for detecting carcinoma, and for distingialing pattern different cell types.
         We publish the proposition of the control of the district of t
14-MAY-1993; US-062443.
(UVE-) UNIV JEFFERSON THOMAS.
CANAANI E, CTOCE C;
WPP: 95-006818/01.
P-PSDB; R66452.
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Opery Match 13% Score 14; DB 22; Length 3415; Best Local Similarity 100%, Pred. No. 3.476+02; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps Matches 10; Conservative 10; Mismatches 0; Conservative 0; Conservative 0; Mismatches 0; Conservative 0

Db 1869 cctgtgccgggagg 1882 |||||||||||||||||||||||||||||Qy 1013 ccrgrGcCGGGAGG 1026

Query Match
1.3%, Score 15; DB 13; Length 3376;
Best Local Similarity 100, Pred. No. 6.374-601;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

RESULT 413

ID 156481 standard: ODN: 3415 BP.

AC 03-07-1396 (first entry)

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Query Match
1.3% Score 14; DB 34; Length 3433;
Best Local Similarity 100,0, Pred, No. 1476-07;
Marches 14; Conservative 0; Mismatches 0; Indele 0; Gaps

2568 gtgagaaggaagta 2581 982 GTGAGAAGGAAGTA 995 g

RESULT 435
10 051072 standard; DNA; 3425 BP.
20 07072,1994 (first entry)
DE AGF-modified DNA INS-8.
FW Advanced glycosylation end products; AGE plasmids; transposon; ss.

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Page 427

Query Match 1.3%; Score 14; DB 5; Length 3425; Best Local Similarity 1009; Pred: No. 3.476-02; Indels 0; Gaps Marches 14; Conservetive 0; Mismatches 0; Indels 0; Gaps

Page 428

US-08-887-977-9. rng

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Ocery Match Smilarity 100 04; Peed No. 374-602. Matches 14; Conservative 0; Mismatches 0; Indels 0;

13-367-1997.

11-367-1997.

101-300-1995; 203735.

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101-300

07-007-1997 (first entry)
Mortisralla alpina cytochrome b5 genomic DNA.
Cytochrome b5: cytb5; preparation; production; human;
Mortis edd, alpina.
109111873-A.

RESULT 433 standard, DRA, 3420 BP.

175437; standard, DRA, 3420 BP.

27047; sp. (list entry)
DE Mortical a lpina officience bS of the first entry)
DE Mortical as lpina.

2705; sp. (list entry)
DE Mortical as lpina.

2706; sp. (list entry)
DE Mortical as lpina.

2707; sp. (list entry)
DE Mortical as lpina.

2708; sp. (list entry)
DE Mortical alpina officience bS officience of the present asquare encodes the local approach of cytbs which is used pT changes and a production of cytbs which is used pT changes and a production of cytbs which is used pT changes and a production of cytbs which is used pT changes and a production of cytbs which is used claim sp. (cytbs), useful for the afficient of cytbs), useful for the afficient of cytbs which is defined to consider the local care as a sequence encodes the local care as a sequence of sequence of sequence as a sequence of sequence as a sequence as a sequence as a sequence as a sequence of sequence as a sequence of sequence as a sequence of sequence as a sequence as a sequence and a sequence as a sequence and a sequence and a sequence as a sequence and a sequence as a sequence and a sequence

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US-08-887-977-9. ING

US-08-887-977-9. rng

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Tumour suppressor ptb2/pl10 gene intron and promoter sequences - used for the disposas and prognosis of cancer and predicting predicting predicting to cancer progness of cancer and prognosis of the cancer progness to the cancer progness of the cancer progness of the cancer progness of the cancer progness of the cancer than a particular than the progness of the progression. The gene was isolated from a blancent of library using primers (see 19687-98) based on the published obly sequence, with the 5' inhaling region obtained from a placenta of sequence, with the 5' inhaling region obtained from a placenta of sequence, with the 5' inhaling region obtained from a placenta of a progness in a patient and be determined and used to: (1) determine a smaple from a patient can be determined and used to: (1) determine a smaple from a patient can be determined and used to: (1) determine of the progness of the present of cancer the investigation in a tensor of the progness of the progness of the progness of the present of cancer the investigation progness of the progn

Query Match 13%; Score 14; DB 38; Length 3507; Best Local Similarity 100.0%; Pred No. 3.474-07; Undels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

8 g RESULT 437

1D 086633; A condard; DNN, 3508 BP. AC 086632; D 086633; D 086633; D 0 0 0 0 086633; D 0 0 0 086633; D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

J07059576-A. 07-MAR-1995. 24-AUG-1993; 209705.

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W 199618733-A.2.

M 190618733-A.2.

M 14. 2027-1956;

M 25. 10165/101618.

M 25. 10166.

M 25. 10165/101618.

M 25. 10166.

M 25. 10166.
PR 24-ADG-1993, JP-209705.

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DR 197209. R75376.

PR DRA - useful for the preparation of heterologous proteins

PR DRAM - useful for the preparation of heterologous proteins

PR DRAM - 19 PAGE - 19 14pp Japanese.

CR 05639 snoodes R73376 candida Fropticals pR131 ssocitate lyase.

(TCD.) PA Assistanting the expression countrolling region of 066593.

CR - Alahad promoter sequences d0581-06670 wet prept. These proteins, in elakaryotic and prokaryotic here.

CR - Alahad preprint and prokaryotic here of heterologous controlling regions of proteins.

CR - Alahad proper and prokaryotic here of late.

PR - ADG - AD
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                                                                                                                                                                                                                                                                      RESULT 440

IN TROISE standard: CDRA; 3526 BP.

CONTROLLS (Liest cnirty)

DC SHOWE, 1977 (Liest cnirty)

DC SHOWE, 1979 (Liest cnirty)

E Hann KF-1 gene-Clone KF361-1.

KM Allediant's disease: MT-1; human; mouse; KF361 gene; antibody; ss.

PR 10-1001-1955.

PR 10-
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D 73329; standard; CDRA, 3511 BP.

MO 73329; standard; CDRA, 3511 BP.

DE 707-1496 (first entry)

DE 707-1996 (first entry)

D 707-
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No. 9.37e-07; Meastones 12; Conservative 3; Mismatches 0; Indels (
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||||||||||||||||||||||||||Qy 995 AcaagtccTcaggcr 1009
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                                                                                          Page 431
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oligo:nucleotide(s) - for the inactivation of RNA associated with, PR comprehence of the companies of the co

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Query Match 13%, Score 15; DB 22; Length 3511; Bast Local Similarity 100;0%, Pred. No. 8;79e-0; Matches 15; Conservative 0; Mismatches 0, Indela 0; Gaps

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19-70C-1997, 101514, O7-DEC-1985, 101514, O7-DEC-1985, 101514, O7-DEC-1985, 101514, O7-DEC-1985, 101514, O7-DEC-1985, O7-DEC-1985, O7-SERVING KN. (EMD) SHIRTOND SERVING KN. (EMD) SAGE 14-15, 23pp. Japanes. T80106 and T80107 represent close of the human KF-1 gene (see T80099 for wild type sequence). This sequence, T80099, and T80100 all represent cDRA

ice 1477

Cates De n at position 1477 is not identified in the specification**

1725...551

1725...1739

1727...1739

1727...179

1727...179

1747...179

1747...179

1747...179

DESCRIPTANDS Standard; RNA, 3511 BP.

The first standard; RNA, 3511 BP.

DE PAL-Alpha RNA sequence of the first standard; APL;

RNA sequence; EGGS, antiennes; as,

Hommerhead ribosyme; series promyslocytic leukaesia, APL;

RNA series acute promyslocytic leukaesia, APL;

RNA sequence; EGGS, antiennes; as,

Homos sapiens.

Location/Qualiflers

From the first standard; APL;

From the first standard; APL;

The first standard;

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20-707-1993 (first entry)
Brush-1 CDMA probe.
Brush-1, tumor suppressor gene; breast cancer; mamma carcinoma; dlasmosais, gene therapy; ss.
Nome sapiens.
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Oper Match 1.3%; Score 14; DB 15; Length 3542; Best Local Similarity 10.0%; Pred. No. 3.476402; Makethes 14; Conservative 0; Mismatches 0; Indels 0;

SQ Sequence 3623 BP; 843 A; 1090 C; 1086 G; 604 T;

Page 436

1.3%; Score 14; DB 29; Length 3660;

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US-08-887-977-9.rng
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US-08-887-977-9. xng

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Best Local Similarity 100.0%; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mamatches 0; Indels 0;
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PR 0555071.4.

PR 22-MAY 1991. 057071.4.

PR 22-MAY 1991.4.

PR 22-MA

ö 0; Indels 0; Gaps Onery Match 1.34; Score 14; DB 29; Length 3660; Best Local Similarity 100:09; Pred. Ro. 3.47e-07. Manaches 14; Conservative 0; Mismarches 0; Indels

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misc_difference 2973 h

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misc_difference 297
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RESULT 449 ID T66802 standard; DNA; 3738 BP. AC T66802;

REST protein; RE1-silencing transcription factor; neuron; neural cell; differentiation; neurodegenerative disease; gene therapy; brain cancer; ds. Homo sapiens. Location/Qualifière cs. 1.823

Ouery Match
1.3% Score 14; DB 24; Length 3705;
Best Local Similarity 100.0%; Pred. No. 3.478-07;
Matchies 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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Page 439

Tue Nov 17 08:55:26 1998

RESULT 40113 etandard; cDNA to mRNA; 3705 BP.
A 741313 etandard; cDNA to mRNA; 3705 BP.
D 11-3NA-1997 (first entry)
DE Human REST protein partial cDNA clone (nt1472-5324).

US-08-887-977-9. xng

Page 440

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Query Match 1.3%; Score 15; DB 3; Length 3703; Deset Loas Similarity 100; Oy; Perec No. 8, 774-01; Matches 15; Conservative 0; Minnatches 0; Indels 0; Caps

10 202000 standard; CDRA; 3703 BP.
10 202000
10 202000
10 Concentration of the control of the co

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202020 erandard; CDRA, 3703 BP.

0002020 (So.PR.12)

000-RR.1202 (first entry)

111.3731 (first entry)

Tue Nov 17 08:55:26 1998

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16-JUL-1997 (first entry)
PSEG11 thursdream isolate PSEG3 delta-endotoxin DNR.
PSEG3: delta: endotoxin; control; Monomorium pharaonis; as
PSEG3: delta: carpentoxin; control; argentine; domestic;
spricultural; pest; delta: /*tag= a /*product* delta_endotoxin Location/Qualifiers

Query Match 1.3%; Score 14; DB 30; Length 3738; Bert Local Similarity 100:09; Pred: No. 3.478-03; Astohea 14; Conservetire 0; Mimatchea 0; Indela 0; Gapa Matchea

US-08-887-977-9.rng

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RESULT 431
D031412 standard; DNh; 3738 BP.
C031482; 933 (first entry)
DE Becillus theriogens gene 8603(a).
TOWIN proceful; air, da gene 8603(a).
Bacillus thuringensa isolate PS8603.
Towin proceful; air da gene 6603.
Towin con proceful; air da gene 6603.

/*tag= a /note= "protein 86Q3(a)"

Tue Nov 17 08:55:26 1998

T 450 T60045 standard; DNA; 3738 BP.

79 22-WF 1992 U04145.
PR 22-WF 1992 U04145.
PR 22-WF 1992 U04145.
PR 22-WF 1992 U04238.
PA (FICO) MICCORR CORP.
PA (FICO) MICC

Query Match 1.3; Score 14, DB 5; Length 3738; Best Local Similarity 100,00; Pred. No. 3.47e+02; Matches 14; Conservative 0; Mismatches 0; Indels

A T60043.

To 14-NY-1997 (first entry)

MACHINIA CASH COAGIG Sequence.

TO ACAIL. ant: Bellius thuringiensis; hymenopteran pest; pharach ant;

Biological control; Monomorium pharachis; delta-endotoxin; lepidoptera;

Bacillus thuringiensis isolate P80603.

MACHINIA CONTROL; Monomorium pharachis; delta-endotoxin; lepidoptera;

MACHINIA CONTROL; Monomorium pharachis; delta-endotoxin; lepidoptera;

MACHINIA CONTROL; CONTROL; MACHINIA CONTROL;

MACHINIA CONTROL; CONTR

Ouery Match
13%, Score 14, DB 29, Length 3738,
Best Local Similarity 100.0%, Pred No. 3.474-02; Indels 0, Gaps
Matches 14, Conservative 0, Mismatchies 0, Indels 0, Gaps

ö

Tue Nov 17 08:55:26 1998

signal_peptide 152.211
/*tag= b
mat_peptide 212.3520
/*tag= c

Ouery Match Ballarity 100 %; Scoze 14; DB 13; Length 3760; Best Local Samilarity 100 %; Pred No. 376+02). Marches 14; Conservative 0; Himmarches 0; Indels 0;

Wigotogram (Marker) Merical (Marker) Mer RESULT 453

TO 751845 standard; DNA; 3780 BP.

TO 751845 standard; DNA; 3780 BP.

TO 751841 standard; DNA; 3780 BP.

TO 6-1014197 (first entry)

TO 6-10195 (first entry)

TO 7014197 (first entry)

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US-08-887-977-9.xmg

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EXESUAT. 453.

EXESUAT. 453.

EXESTATE AND ADDRESS OF THE ADDRESS

Location/Qualifiers 152..3523 /*tag= a

Page 444

directed to the c-abl gene can be used to selectively inhibit the expression c-Abl following exposure of cells to a Disk damaging agent such as Londaria gradition or antomycin c. When used in combination with DNA damaging series, the articlemes KNA provides a spression cell killing effect useful for killing salignate cells in cancer tremment.

92 Sequence 3780 BP. 853 A; 1136 C; 1166 G; 625 T;

Query Match 13%; Score 14; DB 29; Length 3780; Best Cocal Similarity 100:09; Pred Ro. 3.474-07; Matches 14; Conservative Pred Ro. Wismatches 0; Indels 0; Gaps 0;

RESULT 454

D 15954 standard; cDND; 3804 BP.

K 73541 standard; cDND; 3804 BP.

K 73541 standard; constandard; constandard M9974233-1. 06-1007-139-7. 25-M87-1397; 06890. 27-M87-1397; 08-613991. 26-M87-1396; 08-63991. March J Merill Corp. Buck D, Codffy M, Miraglia S, fin A; WFI; 97-547736/50. Location/Qualifiers 38.2635 38.263 a 38.24 a 38.24 b 95.233 /*tag= b mat_peptide

will yield to the manatopoletic atem/progenitor cell antigen, Artibody appetit for heematopoletic atem/progenitor cell antigen, Artibody appetit for the marrow reconstitution cells of the constitution of the constitution and modern and modern for a marrow reconstitution. The calamenture and moderne includes a coding region for a mana heematopoletic progenitor cell antigen (see WIJOFS). designated ACLIS antigen. It was isolated from a WIJOFS (but included to the constitution of the

Certal Bone marrow and liver, could believed from human bone marrow, feetal Bone marrow and liver, courd blood and ddning marrow and liver, courd blood and ddning and ddning blood. The subset of cells recognised by ACI3 as CDI34499, and contains aubsentially all of the granulocyte/anomoryte collays for contains aubsentially all of the granulocyte/anomoryte collays and characterisalp human hematopoletic propentiator and stee cells, which can be used e.g. as gene therapy vehicles or for bone marrow reconstitution. Exploiting ACI3 as a marker renuers a high purity contains, reducing the risk of tumour cell contamination of door cells. ACI3 polyunications are used to identify rather door expension of collars. Sequence 2014, 1120 A; 755 C; 813 C; 1098 I;

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Tue Nov 17 08:55:26 1998

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US-08-887-977-9. Ing

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71 30004344.

PER 10.0004344.

PER 10.0004344.

PER 10.0004344.

PER 10.0004398; Call 10.00043.

PER 10.0004398; Call 10.00043.

PER 10.0004398; Call 10.00043.

PER 10.0004398; Call 10.00043.

PER 10.0004398; Call 10.000439.

PER 10.0004398; Call 10.000439.

PER 10.0004398; Call 10.000439.

PER 10.0004398; Call 10.000439.

PER 10.0004399; Call 10.000439.

PER 10.0004399; Call 10.0004399.

PER 10.0004399; Call 1
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3897.3898

Trada - 70C_rich_region

Nonce-'stature unlabelled in specification'

3855.3861

Praga - 70

Note-'stature unlabelled in specification'
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1.3%; Score 14; DB 2; Length 3804;
Best Local Similarity 100,00; Pred 18c. 3.470+02;
Destroctes 14; Conservative 0; Mismatches 0; Indels
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2438..2578
/*tag" b
/*tag" deleted from Q20198 and Q20200*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gc_signal
                                                                                                                                                                            misc_rna
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1.3%; Score 15; DB 39; Length 3804; Beat Local Similarity 10:0%; Pred 18:0 8.75+0; Pred 15; Conservative 0; Minmatches 0; Indels 0; Gaps

g Ģ.

C viruses and transferred to other host microbes, preferably 8: coil
CC MS2CHPMC 1829 NRML B-18653, to control acaride peats, or to
C plants Which become resistant to the acaricide peats, or to
CC Specifically, the two-sported spider microbes to controllary.
C controllary. The two-sported spider microbes is controllary.
C controllary. The two-sported spider microbes is controllary.
C controllary. The two-sported spider microbes is controllary.

Query Match Query Match Bast Local Similarity 100:09; Pred, 80: 347e+02; Matchs 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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Page 447

14-187-1990; DP-063306.

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18 (PIES) SIESEIDO KR.

18 (PIES) SIESEIDO KR.

19 (PIES) S

13%; Score 15; DB 3; Length 3844; Best Local Smiltarity 10.0%; Pred 10.8.0.8.074-01; Local 15; Conservative 0; Mismatches 0; Indela 0; Gaps

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RESULT 457

DO 651689 standard; DNA: 3867 BP.

CO 651689 standard; DNA: 3867 BP.

DE SEALLIUS thurstnigtensia crystal protein 17b gene.

Estilus thursingtensia crystal protein 17b gene.

Estilus thursingtensia crystal protein 17b gene.

Extra population of seal readocoxin; acariside, peticide;

Estilus thursingtensia PS17 (1401ate PS17b).

FR 1041101 thursingtensia PS17 (1401ate PS17b).

FR 1041101 thursingtensia PS17 (1401ate PS17b).

FR 1051101 thursingtensia PS17 (1401ate PS17b).

FR 1051101 thursingtensia PS17 (1401ate PS17b).

FR 1051101 thursingtensia thursingtensia CS17b

FR 1051101 thursingtensia CS17b

FR 10511

P. PEDB: 18470).

P. PEDB: 18470).

Brothling searide pests e.g. two apotted spider mite - utilising machine thermal search bests.

Brothlins thermal speaks delta-tootine cloned into microbe hosts.

Brothlins thermal part of 1978 and 197

US-08-887-977-9.ED

Tue Nov 17 08:55:26 1998

/*tag= c /note=" inserted in Q20199 and Q20200"

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US-08-887-977-9. rng

U8-08-887-977-9. xng

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PD 13-UNF-1991 693210.

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PD 13-UNF-1991 693210.

PD 13-UNF-1991 693210.

PD 10-WR-1991 693210.

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AC 094054

D 094054 exandard; DNN, 3867 BP.

D 78-FED-1906 (first entry)

D 78-FED-1906 (first entry)

E 9110 FED-1906 (first entry)

E 9110 FED-1906 (first entry)

E 912 FED-1906 (first entry)

E 913 FED-1906 (first entry)

E 914 FED-1906 (first entry)

E 915 FED-1906 (first entry)

E 915 FED-1906 (first entry)

E 916 FED-1907 (first entry)

E 917 FED-1907 (first entry)

E 917 FED-1907 (first entry)

E 918 FED-1907 (first entry)

E 919 FED-1907 (first entry)

E 910 FED-1907 (first entry)

E 910 FED-1907 (first entry)

E 910 FED-1907 (f
                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CC These were closed into pBClac, an B. coll/DT shuttle vector made up to carreplication origins from pBClac and pBCls This was used to carreplication origins. Trom pBCls and pBCls This was used to carrent con the colonia were selected, purilified, and either pRCLB7 contg. The Charles were selected, purilified, and either pRCLB7 contg. the 1.3kb PBLR contg. The pBCLB7 contg. the 1.3kb PBLR contg. This sequence, Table 1234 A; 635 C, 745 G, 1189 T;
                                                                                                                                                                                                                                                                                  Query Match 1.3% Score 14: DB 6; Length 3867; Best Local Similarity 100 04; Pred. No. 3.476+02. Matches 14: Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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Pred. No. 3,47e+02;
0; Mismatches 0; Indels
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Best Local Similarity 100.0%;
Matches 14; Conservative
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These were closed into pBClac, an E. coll/PT shuttle vector made up of replication origins from pBCls and PGCly. This was used to transform E. coll W622, and this grown on 1FTG and XGL media. White colonidae were absenced, untilidad, and either pRGLG57 conty. The 2. XND FSL at XLI fragment or pWCLG59 conty. the 4.5kb PSLP because 3867 BP. 1234 A; 635 C; 745 C; 1189 T; 0; Gaps We shall know four processing toxins - have seen societies with the seed of th Query Match 1.3; Score 14; DB 5; Length 3867; Best Local Smilarity 100.08; Pred. No. 3.474-04. Matches 14; Conservative 0; Mismarches 0; Indels RESULT 460

DE STATE 1992 (first entry)
DE 7-62721.A

PR 27-62721.A

PR 27-62721.A

PR 27-62721.A

PR 27-62721.B

PR 27-7027-1990 (95-52786)
DE 7-7027-1990 (95-52

US-08-887-977-9. rng

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Gaps Score 14; DB 16; Length 3867; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; 1189 T; 751 G; 635 C; Tetranychus urticae. Sequence 3867 BP; 1292 A; Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

D 972180 and and and DNA, 1867 MP.

D 972180 and and and DNA, 1867 MP.

D 16-MAY. 1995 (first entry)

DE Bacillus thuringianals F917b delta-endotoxin gene.

Endother, Becillus thuringianals F917b delta-endotoxin.

Endother, Becillus thuringianals atrain F917.

Endother, Becillus thuringianals atrain F917.

Endother, Becillus thuringianals atrain F917b delta-endotoxin isolates

Endother, Becillus F918b delta-endotoxin delta-endotoxin isolates

Endother, Becillus Multingienals with an endotoxin from Bacillus form Bacillus Multingienals with an endotoxin gene endotoxin from Bacillus for Endotoxin Endotoxin endotoxin endotoxin from Bacillus for Endotoxin endotoxin endotoxin endotoxin endotoxin endotoxin endotoxin endotoxin endotoxin from Bacillus for Endotoxin e

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PR 22-870-1932.

PR 22-87
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terminal glycine to alpha hydroxy glycine then remove this leaving
typical C-term maide.
                                    US-08-887-977-9. Ing
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TD G0004 standard; DKN; 3867 BP.
AC G00004;
DT 01-NR*1393 (first entry)
DT 70X*10 17b.
KW Endotoxin; acarides; pest; Two Spotted Spider; mite;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Page | 
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/note= "protein 17b"
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THE ANY 1997 (first entry)

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Disclosure, Page 30-32; 63pp; English.
Disclosure, Page 30-32; 63pp; English.
Disclosure, Seconding a Toxin Which is settly significated and se esquences encoding a Toxin Which is settly. PSITA, 1943).
SSTAL, PSISOL, PSISOL MAN PSICO ere given in 030803-03 and 030802-13 respectively. The toxin is a delta-endotoxin actives against acasid peats, including the Two Spected Spider miter. The leadstee can be losed against non-phytophagus mittes such as acasid peats of large to the settly of the settl
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30-878-1991: 00-68-92210.
30-878-1991: 00-68-92210.
30-878-1991: 00-756111.
Magive AL, Cannon RJC, Payne JH;
PPI: 92-198-8111/46.
PPI: 92-198-8111/46.
PPI: 92-198-8111/46.
PPI: 92-198-8111/46.
Controlling acarid peats of livestock, fowl, stored prode, and
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Bast Locals Similarity 100 04; Ped 190, 14/8+040;
Bast Locals Similarity 100 04; Ped 190, 14/8+040;
Bast Locals 14; Conservative 0; Mismatches 0; Indels 0;
                     US-08-887-977-9. Ing
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Pred. No. 3.47e+02;
0; Mismatches 0; Indels (
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1.34; Score 14; DB 5; Length 3867;
Best Local Similarity 100;04; Pred. Ro. 3.147+02;
Matches 14; Conservative 0; Mismatches 0; Indels
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D 070199 standard, CDRA, 3904 BP.
C 070199 standard, CDRA, 3904 BP.
D 06-APR-1992 (first entry)
D 06-APR-1992 (first entry)
D 06-APR-1993 (first entry)
D 06-APR-1993 (first entry)
D 0703 coallus.
C 070 dus cablus.
D 11..293 and 11..293
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DE 760070 standard: DNA: 3867 BP. AC 760070 standard: DNA: 14-MAT-1997 (first entry)

DE 760070 standard: DNA: 3867 BP. AC 14-MAT-1997 (first entry)

DE 11-MAT-1997 (first entry)

DE 21-MAT-1997 (first entry)

SM 51-MAT-1997 (standard: DNA: 10-MAT-1997 (standard: Bacillus thuringisensis isolate PS BC 15-MAT-1991; 03-797645.

PR 21-MAT-1991; 03-797645.

PR 22-MAT-1991; 03-797645.

PR 23-MAT-1991; 03-797645.

PR 24-MAT-1991; 03-79764.

PR 24-MAT-1991; 03-7976.

PR 24-MAT-1991; 03
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Bacillus thuringiensis PS17b.
M92119106-A.
12-NOV-1992.
30-APR-1992; U03546.
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Best Local Similarity 100.0%;
Matches 14: Conservative
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                              Query Match Similarity 10:00; Prect 15; DB 2; Length 1925; Best Local Similarity 10:00; Prect No. 8:707+01; Matches 15; Conservative 0; Minanciose 0; Indels 0; Gaps
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100.020-1988; 209313.
110.400-1988; 209313.
110.400-1988; 209313.
110.400-1988; 209313.
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110.4000 Query Match 1.3%; Score 15; DB 1; Length 3926; Best Local Similarity 100.0%; Pred. No. 8.37e+01;

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7,4150-78 11756-11758 7,416-79 7,004-8 'bases 1756-1758 may be replaced by gta, 3090-1309 7,4169-70 7010-7 'bases 3090-3092 may be replaced by agt, aga or agg' Location/Qualifiers 304..3531 Homo sapiens. Key cds unsure . unsure

W09502053.A.
W09502053.B.
W09

Ocery Match
1.34, Score 14; DB 13; Length 4010;
Best Local Similarity 100, Pred, No. 3.474-02;
Macches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 471

ID 964103 standard; cDNb; 4010 BP.

AC 064303; AAOC-1995 (first entry)

DT 1AAOC-1995 (first entry)

E Human RF-ATI20, X subfamily gene.

KW NF-ATI20; nuclear factor of activated T cells 120 protein;

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Docation,Qualiffers
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ö Ouery Match 1.3%; Score 14; DB 13; Length 4010; Beet Local Similarity 100:04; Pred. No. 3.474-07; Matches 14; Conservative 0; Minmatches 0; Indels 0; Gaps

ESSUAT. 411033 standard; cDNs; 4016 BP.
AT 110303 attandard; cDNs; 4016 BP.
AC 08-AZR-1996 (first entry)
DE Mouse JAK3 protein-tyrosine-kinase gene.

US-08-887-977-9.zmg

Tue Nov 17 08:55:26 1998

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Matches

ö ö 0; Mismatches 0; Indels 15; Conservative

RESULT 469

To 73102 standard; DNA, 4000 BP.

Monose -1.Phosphate transferra gene NUMA.

Minman high mannose type neutral ascense gene NUMA.

Minman high mannose type neutral ascensife chain; ss.

Saccharomyces cereviside.

Mannose -1.Phosphate transferra ascensife chain; ss.

Fr CSS

Als..3953

Fr CSS

Als..3953

Als..3953

Pr 100336732.A

Pr 100336732.A

Pr 200326732.A

Pr 20032732.A

Pr 20032732

Ouery Match 1.3%; Score 15; DB 18; Length 4000; Deet Local Similarity 100:0%; Pred. No. 8.75e-0; Indels 0; Gaps Matches 15; Conservative 0; Mismatches 0. Indels 0; Gaps

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RESULT 470
DE 064301 atandard; cDNA: 4010 BP.
AC 064301 atandard; cDNA: 4010 BP.
DE Human NF-ATJO, x subfamily gene.
DE WAND ATJO; another feator of activated T cells 120 protein;
NF NF-ATJO; nuclear feator of activated T cells 120 protein;
NF NF-ATJO; nuclear feator of activated T cells 120 protein;
NF NF-ATJO; nuclear feator of activated T cells 17-bymphocyte; ss.

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Page 464
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PD 10-707-1394.

PD 10-707-1394.

PR 10-107-1399.

PR 107-1399.

PR 107-1399
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ID 085050 transard: DNA: 4044 BP.

C 085050 transard: DNA: 4044 BP.

DE 4-ADC-1995 (first entry)

DE 5-ADC-1995 (first e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.34, Score 14, DB 12; Length 4027, Best Local Similarity 100:04, Prefec Re-100:1 APPHO2; Matches 0; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                    Tissue-binding hybrid protein.
Tissue binding; tissue sealing; wound healing; vulnerary;
Tissue-binding deasin. TBD: crosslinking deasin; fibronecti:
tissue-hinding deasin. TBD: crosslinking deasin; fibronecti:
ell-binding deasin hybrid protein; ss.
fibrose septems.
Location/Qualifiers
8.
Key
9.4013
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DY 70114 stendard, DNN: 4044 BP.

TYONG 1997 (first entry)

DE 5. Typhismrium psp0, entry, magA, envy genomic DNA.

Salmonella vaccine; attenuation; diagnossis; PhoP; PhoC; pagD;

NN envy; magA; envy; typhoid fever; virulence; da.

Salmonella typhismrium

FI Rey

Salmonella typhismrium

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               US-08-887-977-9.zng
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3..4013
/*tag= a
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               Page 461
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PART PARTED FREED.

PART SPECIAL TYPOSICE KIARSE AND DNA encoding it - useful to induce predifferentiation of hamatopoletic cells to treat or control produced by the control of the sequence encodes a novel protein-tyrosine-kinase of the Janus Chain 4: Page 76-28; Apps English.

The sequence encodes a novel protein-tyrosine-kinase of the Janus Chainses (JAR) Entilly (involved in cytosine signal transmission).

Carlos growing in interleuting in particular present of the colony criminal register of in interleuting in open page 20-10 protein conserved sequences in JAR JAR and JAI Gomains. A 950-bp CO CONSTRUMENT AND STATE OF THE PART OF THE PAR
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Deat Lotal Smilarity 10:04; Pred No. 3-47-07;
Matches 14; Conservative O: Mismatches O: Caps
US-08-887-977-9. Ing
                                                                                                                                                                   Mouse: Janus Kinase: JM3; protein-tyrosine-kinase: cytokine; signal transmison: JD01; reverse transmistion: PCR; pcymerase chain reaction; primer; interleakin-3; prantilocyre consorpation faterial factorial for the properties of principles of the properties of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oncery Match 1.33; Score 15; DB 17; Length 4016; PBest Local Similarity 100.04; Pred. No. 9.176+01; Market Marches 15; Conservative 0; Mismatches 0; Indels 0; Marches 15; Conservative 0.1 Mismatches 0; Indels 0; Marches 0.1 Marches 0.1 Marches 0.2 Marches 0.3 Marches 0.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= a /product= JAK3 protein-tyrosine-kinase /note= "EC-2.7.1.112"
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RESULT 473
10 Q70007 standard; DNA; 4027 BP.
AC Q70007;
DT 23-FEB-1995 (first entry)

Tue Nov 17 08:55:26 1998

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MO9601838-A1. 25-77A1-395. 28-77A1-395. 08-77L-3995. UG8354. 08-77L-3995. UG8354. (UTEA) UNIV TEMPLE. RADE 5G. READY PE. WELL: 96-097584/10.

Tue Nov 17 08:55:26 1998

11.135 a 11.

cds

rbs

rbs

stem_loop cds

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US-08-887-977-9. rng
Tue Nov 17 08:55:26 1998
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PD 19-748-1595.

PD 19-748-1599.

PR 00-700-1599.

PR 00-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-887-977-9. Eng
/note" envy gene promoter (claim 174)*
240..245
2450..234
2551..3394
/reag pene (claim 173)*
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2.138 2.258
7,4tag b a 4 a leted in Q20198 and Q20200°
2654..2835
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DO (2019): A (
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P-PSDB; W40344.

Perpetide tragment from brain glycogen phosphorylase - act as tumour recognition antigen peptide(s), for diagnosing renal, hepatomas or account onners of Page 40-50; Tapp: English.

Prample on Page 40-50; Tapp: English.

Trample of Pag

Query Match 1.3%; Score 15; DB 40; Length 4066;
Best Local Similarity 10.0%; Pred. No. 8.374-05; Indels 0; Gaps
Matches 15; Concerrative 0; Mismatches 0; Indels 0; Gaps Length 4066;

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Page 467

Tue Nov 17 08:55:26 1998

RESULT 479
D 071053 standard; DNA, 4100 BP.
D 071053 standard; DNA, 4100 BP.
AC 071053
The rat beta-extin gene.
The rat beta-extin gene.
NF Beta-extin; Differ; MRNA; specificity; pharmaceutical; ss.
OS Ratius status.
PN 07137984-A.
PN 0713798-A.
PN 0713798-A.
PN 0713798-A.
PN 0713798-A.
PN 071379-A.
PN 071379-A.
PN 071057-A.
PN idaling 77 page 28-29; 35pp; Japanese.
1062 is the set between extin gene. This gene is amplified by the 1062 is the set between 67004s. The primers are used specifically for the treeting and isolation of this sequence. They have the divantage of sensitivity and reliability and are useful in the pharmsceutical.

Page 468

RESULT 477

D V10628 standard, CDNN: 4066 BP.

A V10628.

D 33-UPN:1988 (first entry)

E 33-UPN:1988 (first entry)

E 31-UPN:1988 (first entry)

E 41-UPN:1988 (first entry)

E 51-UPN:1989 (first entry)

E 51-UPN:1989 (first entry)

E 51-UPN:1989 (first entry)

E 61-UPN:1981 (first entry)

E 70-UPN:1987 (f

Query Match 1.3%; Score 14; DB 9; Length 4093; Best Local Similarity 100.0%; Pred No. 1474-02. 1474-02 No. Manacches 14; Conservative 0; Mismacches 0; Indels 0;

Page 466

US-08-887-977-9.rng

Tue Nov 17 08:55:26 1998

Page 465

/*tag= c /note=" deleted in Q20199 and Q20200"

70396446... //DOCEST GAINTED IN Q20199 and Q20200.
PR 14-7487-1990. 061306.
PR 14-7487-1990.

0.0ery Match 1.3%; Score 15; DB 3; Length 4045; Best Local Similarity 100(0%; Pref. Ro. 9.774-01; Britans 15; Conservative 0; Mismatches 0; Indels 0;

Db 3828 tgtcttcaaccaaa 3842 ||||||||||||||||||||||||||||Qy 522 TGTCTTCAACCAAAA 536

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UB-08-887-977-9. Eng
Tue Nov 17 08:55:26 1998
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PR DE4445562-C1.
PP 20-00-1994, 45562.
PP 20-00-1994, 45562.
PP 20-00-1994, 16562.
PP 20-00-1994.
PP 20-
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T18815; standard; DDN3, 4114 BP.

MC 178815; STANDARD; STANDAR
                                                                                                                                                                                                                                                                                     0; Indels 0; Gaps
                                                                                                                                                                        Length 4100;
CC industry.
SQ Sequence 4100 BP; 765 A; 1111 C; 1126 G;
                                                                                                                                                               Query Match 1.3%; Score 14; DB 16;
Best Local Similarity 100.0%; Pred. No. 3.47m+02;
Matches 14; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                  Db 1798 agctgagtctccct 1811
|||||||||||||||||||||||||||||Qy 1104 AGCTGAGTCTCCCT 1117
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Tue Nov 17 08:55:26 1998
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US-08-887-977-9. Eng

glucose transport and anti-lipolytic activity or for treating Alabeters sideseas.

Alabeters sideseas.

Alabeters a sequence listing did not appear in the original printed better applicate applicate and sequence 1127 A; 999 C; 1001 G; 1010 T;

1.34; Score 14; DB 26; Length 4137; Beat Local Similarity love, Pred. No. 3.47+07; Local Similarity love, Pred. No. 3.47+07; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 482
D 03159 standard; DNA; 4155 BP.
CO 20-AFR-1993 (first entry)
RE OCCAT. 104.

D 03159 (first entry)
RE OCCAT. 104.

RE OCCAT. 104.

RE OCCAT. 104.

DE OCCAT. 105.

DE OCCAT. 105.

DE OCCAT. 105.

PR 05.

1.4155
PR 05.

P

Page 471

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US-08-887-977-9. zng

These were closed into pBClac, an E. coll/BT shuttle vector made up of replication origins from pBCls and pGCls. This was used to transform E. coll MS52, and this grown on 1770 and XGL medio. This colonies were selected, purified, and either pSRC1657 conte. The 1.70 PST2 to XLL fragment (this sequence) or PMTC1657 conteg. The 4.50 PST2 to XLL fragment closed and sequences conteg. Sequence 4155 Bp. 1396 A; 677 G. 814 G; 1281 T; 8888888

Query Match 1.34, Score 14, DB 6, Length 4155; Best Local Similarity 100(04) Pref. No. 14-042; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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1.3%; Score 14; DB 5; Length 4155;

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Page 469

US-08-887-977-9.rng

Page 470

Numbers, a sequence listing did not appear in the original printed patent appliation.

Sequence 4134 ED: 1127 A: 999 C: 998 G: 1010 T:

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Ouery Match 1.3%; Score 14, DB 26; Length 4134; Best Local Similarity 100.0%; Pred. No. 3.47e+02. Nesters 14; Conservative 0; Mismatches 0; Indels 0; Natche

PER DE445562-C1.

O4-APR-1996.

O4-APR-1996.

O4-APR-1996.

O4-APR-1996.

O4-APR-1996.

DE DED-1994.

DET-1994.

DET-1994 ESCUIT 1885

DE TITES SE GENERALCH CDNA, 4137 BP.

DE TITES SE SE SENDER CONTROLLED TO THE SENDER CDNA.

DE TITES SENDER CONTROLLED TO THE SENDER CDNA.

DE TITES SENDER CONTROLLED TO THE SENDER CDNA.

THE MENDER SENDER CONTROLLED TO THE SENDER CDNA.

THE MENDER SENDER CONTROLLED TO THE SENDER CO

Page 472

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RESULT 483

ID 030031 standard; DNB; 4135 BP.

ON 030031

ON 030031

ON 030031

ON 030031

ON 030031

NEW 19903 (first entry)

NEW 19900xin; acaridae; pest; Two Spotted Spider; mite;

NEW 19900xin; acaridae; PSIA.

PR 10-PEP1991 UG-55910.

PR 10-PEP1991 UG-57910.

PR 10-PEP1991 UG-57910.

PR 10-PEP1 UG-57910.

P

Query Match

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US-08-887-977-9.xng
Tue Nov 17 08:55:26 1998
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US-08-887-977-9.rng

T60069 standard; DNA; 4155 BP.

Tue Nov 17 08:55:26 1998

Page 473

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Best Local Similarity 100.0%; Fred. No. 3.47e+62;
Matches 14; Conservative 0; Mismatches 0; Indels
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RESULT 484

10 051697, 050 state entry)

10 051697, 051697, 0516 entry 051697,

Ouery Match
13%, Score 14; DB 15; Length 4155;
Best Local Similarity 100;0, Pred. No. 3.476-02;
Matches 14; Conservative 0; Mismatches 0, Indels 0, Gaps

Outry Match Sinilarity 100.04: Score 14; DB 29; Length 4155; Bert Local Sinilarity 100.04; Pred. Ro. 3.474-02; 3.474-02; Sconservative 0; Mismatches 0; Indels 0; Mismatches 0; Indels 0; Mismatches 0; Mismatches 0; Didels 0; Mismatches 0; Mismatches 0; Didels 0; Mismatches 0; Mismat

RESCUT 486

ID 030935 standard; DNA; 4155 BP.
AC 030935;
DF 30-MAR-1993 (first entry)
DE BF toxin 17a.

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RESULT 485

Fue Nov 17 08:55:26 1998

nemakode vonus, namaticida; nematicidal tomin; agriculture; plants;
Bacillus Thuringiensicins.
Bacillus Thuringiensicins.
Cocation/Qualifiers
cds
/*tegg a

PER WOO219799-A.

PRO 12.NOV-1992.

PRO 1992.

PRO 1993.

PRO 1993

Score 14: DB 5: Length 4155; Pred. No. 3.47e+02; 0: Mismatches 0: Indels 0: Gaps Query Match
Best Local Similarity 100.0%;
Matches 14; Conservative

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ESSUAT. ASSESSED ASSESSED. 10 004053 standard; DNA: 4155 BP. A CO4053 standard; DNA: 4155 BP. BP. CO4053 standard estry by PS17a acazide active toxin DNA from strain PS17.

Page 475

Tue Nov 17 08:55:26 1998

US-08-887-977-9.xmg

Insecticide: toxin, acaride-active toxin; delta-endotoxin; PSI7a; PSI7; tvo spotted spider mite; tetranychus urticae; bacilius thuringiensis; di Bacilius thuringiensis strain PSI7; Location/Qualifiers misc_feature

/*tag= a /note= *represented in the specification by 6.

PR 10-1707-1705.

PR 10-1707-1707-1705.

PR 10-1707-1705.

PR 10-1707-1705.

PR 10-1707-1706.

PR 10-1

Query Match 13%; Score 14; DB 16; Length 4155; Beet Local Similarity 100:0%; Pred 16:0:3-40-0; 10:00:0%; Marches 14; Conservative 0; Mismatches 0; Gaps

RESULT 488 ID Q72179 standard; DNA; 4155 BP. AC Q72179;

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US-08-887-977-9. Eng
Tue Nov 17 08:55:26 1998
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15-MW-1995 (first entry)

Machine thursdess Pain delta-endotoxin gene.

Machine thursdess Pain delta-endotoxin delta-endotoxin;

Machine thursdess Pain delta mit to the machine delta-endotoxin;

Machine thursdess Pain delta mit to the machine delta-endotoxin;

Machine thursdess arrain PS17; toxin delta-endotoxin;

My tive; plant; control; transgenic; resistance; da.

Machine thursdess arrain PS17; resistance; da.

Machine thursdess arrain thursdess arrain the entrolets are controlled by the machine thursdess are the machine thursdess and delta-train gas are allowed the machine thursdess are resistant and arrain and are highly toxin to perse and specific to the molecular endocate mit endocated species mit toxins presented (70179-98) are specific to the note of the molecular endocate mit (Merranyohus uricaes) and to the house darrain the endocate mit (Merranyohus uricaes) and to the house darrain endocated species mit (Merranyohus uricaes) and to the house darrain the endocate and layer mit of the molecular mi
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WOURD: nematocide; fluktoide; anthelaintic; parasite; ss.

88 Sacillus thuringiansis.

87 77-87-1934.

PR 11-10-109-1930; US-55746.

PR 11-10-109-1930; US-55746.

PR 14-10-1930; US-5746.

PR 14-10-1930;

Opery Match 1.3%, Score 14, DB 12; Length 4155, Best Local Similarity 100:09; Perec. Ro. 3, 478+02; Matches 14; Conservative 0; Minanchies 0, 1ndels 0; Gaps

LT 489 Q20334 standard; DNA; 4155 BP. Q20334; Girst entry) B.thuringiensis toxin gene PS17a.

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US-08-887-977-9. Ing

PD 26-NOV-1992.
PD 27-NOV-1992.
PD 12-NOV-1992.
PD 12-NOV-1992

Ouery Match 1.34, Score 14; DB 5; Length 4155; Bert Local Similarity 100'0, Pred. No. 3.478-60; Indels 0; Gaps Matches 14; Conservative 0; Himmatches 0; Indels 0; Gaps

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RESULT 491
D 760314 standard; DNA: 4170 BP.
ED 760314 standard; DNA: 4170 BP.
ED 760314 standard; DNA: 4170 BP.
ED 77047129 VIliate entry)
ED 771 Filester entry
ED 771 Filester entry
ED 772 Filester
ED 772 Filest

Tue Nov 17 08:55:26 1998

Page 479

per jetlag and narcolepay

Caim 13; Fgg II. 13199; English.

This acquence represents the coding sequence for the splice variant of
This acquence represents the coding sequence for the splice arrival as nuclear
the Dracephila metanogament "thinsa" (TTM) protein a TTM is a nuclear
the resolution protein and captured the steps was every
the analogical activated by the search of the steps was every
cycle. The MTP is also preferably light sensitive, and has the bhillist or
effect on the circadian thythm protein. The MTP also has the bhillist to
and the process of circadian thythm sensitive, and has the bhillist to
and the process of circadian thythm entrahment to environmental cycles
of light. TTM has specific binding activity for the Drocephila period
(PEN) gene. PER is a nuclear protein which has been long to the family of
transcription factors containing activity for the Drocephila a period
(PEN) gene. PER is a nuclear protein which has been long to the family of
transcription factors containing the DNS domain, and is a protein
involved in circadian hyphms, but the biological function of PER is
unknown. The amount of PER illustuates with a circadian ripthm and the
protein is also phosphorylated with a circadian ripthm and the
protein is also phosphorylated with a circadian ripthm and the
protein is also phosphorylated with a circadian ripthm and activation and company of a circadian ripthm and a circadi

Omery Match 13% Score 14: DB 29: Length 4170: Beet Local Similarity 100:0% Pred. No. 3.478-602: Dindels 0: Gaps Matches 14: Conservative 0: Mismatches 0: Indels 0: Gaps

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RESULT 492

AC. 662129 standard; CDRM; 4175 BP.

AC. 662129 standard; CDRM; 4175 BP.

DZ. NOW-19964 (first entry)

DZ. NOW-19964 (first entry)

E. Now-19964 (first entry)

E. Now-19964 (first entry)

E. Now-1996 (first entry)

E. Now-199

CA2085391-A.

31.3M-1994.

13.4M-1994.

30.4M-1995.

30.4M-1995.

30.4M-1995.

Breiman M., Dumont DJ, Rossant J, Yamaguchi TP; WPT: 94-126338,146. Iocation/Qualifiers 1124..3480 /*tag= a /product= tyrosine_kinase

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Query Match 1.3%, Score 14; DB 3; Length 4155; Beet Local Similarity 100%, Pred. No. 1.47-6-02; Indels 0; Gaps Witchies 14; Conservative 0; Mismatchies 0; Indels 0; Gaps

a

Page 480

RESULT 101409 standard; DNA; 4155 BP.
AC 013409; standard; DNA; 4155 BP.
CO-ARR-1993 (first enry)
DF Beallise thuringiensis gene 17a.
COS Beallise thuringiensis strain PSJ7.
FIR Novi procesh; ant; ds.
Location Continue of the cost of

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US-08-887-977-9.zng

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US-08-887-977-9. rng

PP 9508; R53146.

Receptor tyrashe kinase isolated from cells of the endothelial
Receptor tyrashe controlled (art) agonises of ligand receptor
Lineage - used for identifying (art) agonises of ligand receptor
Lineage - used for lighth.

R5 Lineage - used 12: Supply English.

R5 R1 Arton 9: Send 12: Supply old mice was used to synthesise cDRM by RT
CC R7M Arton 9: Send 12: Supply old mice was used to preferentially amplify
CC tyroshe kinase sequences. Clones corresp. to S distinct tyroshe
CK kinases expressed during murine cardiogenesis were identified. Pour
CC WHICH WAS GESIGNE AND ARTON CC WHICH WAS GESIGNED AND ARTON CC WHICH WAS GEST AND ARTON CC WHICH WAS G

Query Match 1.3%; Score 14; DB 11; Length 4175; Best Local Similarity 100:04; Pred. No. 3.478-02; Matches 14; Conservative 0; Mismatches 0, Gaps

Production of mature bone morphogenetic protein - by treatment of precursor protein virth a processing ensure such as furin either precursor protein virth a processing ensure and host Example 1. Pages 4.19.3 App. Jacknese.
Example 1. Pages 4.19.3 App. Jacknese.
Protein (BMP) processing enzure.
Protein (BMP) processing enzure.
Adutre BMP can be produced by directly adding the ensure to a solution containing BMP precursor protein, or by transforming an solution containing BMP precursor protein, or by transforming an

intron

295 ACTGCTGCGTGGT 308

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PO 10-007-1997; U04358.

REAL PROPERTY OF THE PROPERTY OF THE

셤 Š RESULT 495

0075031 standard; RNA; 4247 BP.

AC 0755031

TO 6075031 standard; RNA; 4247 BP.

TO 6075031 standard; RNA; ACCAS, ACCA

/*tag= k /note= "Exon 7* 1976..2092 /*tag= 1

Query Match

1.34; Score 14; DB 39; Length 4212;

Best Local Similarity 100:04; Pred No. 3.47-402;

Matches 14; Conservative 0; Mismatches 0; Gaps

2676 actggtgcgtgggt 2689

New nucleic acid from human astro:virus serotype 2 - and related antigente polypetide (s) and antibodies, useful in diagnosing infections and produ. of vaccines

Page 483

Tue Nov 17 08:55:26 1998

US-08-887-977-9. IDS

Page 484

continues precedes off is a predicted to consist arteniarie secondary estructures, as demonstrated by the characteristic stem-loop of extructures preceding the initiation of code in the initiation of the predicted of the consists of the initiation of initiation of

13; Length 4247; Query Match 1.3%; Score 14; DB 13 Best Local Similarity 71.4%; Pred. No. 3.47e+ Matches 10; Conservative 4; Mismatches

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animal cell with expression vectors containing DNA encoding the ensyme and precureor protein, outluring the transformant and collecting the mature BNP from the culture. The method can be used to produce BNP2, BNP-2, BNP-8, BNP-6 BNP-7, Which can be used to trans home formation our regeneration abnormalities. Sequence 4180 BP; 796 B, 1337 C; 1253 G; 794 T;

Query Match 1.39; Score 14; DB 38; Length 4180; Best Local Similarity 100:09; Ped. Re. 3.474-02; Indels Charles 14; Conservative O; Mismatches O; Indels C

| REBUIL 494 | REBUIL 401099; 98 | Citate entry) | 28 - MAY - 1099; 98 | Citate entry) | 28 - MAY - 1099; 98 | Citate entry) | 28 - MAY - 1099; 98 | Citate entry) | 29 - MAY - 1099; 98 | Citate entry) | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 99 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Citate entry | 29 - MAY - 1099; 90 | Cita

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     US-08-887-977-9.Ing
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12-MY-1925; 105242.
12-MY-1925; 105242.
12-MY-1925; 105242.
12-MY-1925; 105242.
MRI: 9-899068.
PPEDD: R8519.
Catdiac adenlylyl cyclase and corresp. DNA having specified
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ID 025444 standard; CDRN: 4405 BP.
AC 025444;
DF 74-DE-1992 (first entr)
DE 74C composite sequence.
TW Paired basic amino acid converting engue; fur; ss.
OS Homo sapiens.
FF Rey (48, 2795)
FF cds (48, 2795)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 497
TD 095540, standard; DRM; 4156 BP.
AC 095540;
DT 31-72M-1996 (first entry)
C saddar debylyl cyclase gene
TR cardiar debylyl cyclase; effector entyme; ss.
TR C from sapiens.
TR C from sapiens.
TR C cds.
TR C cds.
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Ocery Match
13%, Score 14; DB 15; Length 4159;
Best Local Similarity 100;0%, Pred. No. 3.474-02;
Micches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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US-08-887-977-9.rng

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PT sequences
DE Cialm 1; Fig 2; 45pp; Chinese.
CC 05500 encodes R78519, the novel effector engume cardiac adenylyl
CC 07clase.
CC 07clase.
SQ Gequence 4356 BP; 836 A; 1372 C; 1373 G; 775 T;

Onery Match 113; Score 14 DB 16; Length 4356; September 13 September 15 September 15 September 14: Conservative 0; Mismatches 0; Indels 0; Match

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Page 490

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Tue Nov 17 08:55:26 1998

Page 489

PACE into its mature form. Thus, the host cell is capable of producting high lessis of PACE and entires mature heterologous producting high lessis of PACE and entires mature heterologous producting profit of a process, Rector 71 and bone-gamma carbony of preferring procein.

See T05555 and 1405 BP: 023 A; 1442 C; 1329 G; 811 T;

Query Match 1.34; Score 14; DB 17; Length 4405; Pet Local Similarity 100 04; Pred No. 3.476+05. Matches 14; Conservative 0; Minmatches 0; Indels 0;

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Query Match 1.3%; Score 15; DB 7; Length 4415; Best Local Similarity 100.0%; Pred. Ro. 9.379-01; Matches 15; Conservative 0; Minmatches 0; Indels

standard; DNA; 4425 BP.

RESULT 503 ID T03090 standard; DKA; 4425 AC T03090 DT 14-FEB-1996 (first entry)

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signal_peptide 30
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Protein tyrosine-kinase SAL-SI gene.
Protein tyrosine-kinase; PTK, SAL-SI; agonist; cell growth;
differentiation; ss.
Roos sapiens. Location/Pualifiers
Sky 30..392?

/*tag= a 30.102 /*tag= b 103.3924 /*tag= c

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Query Match 13%; Score 14; DB 16; Length 4425; Beet Local Similarity 100:0%; Pred 18:0, 3.474-0; Ddet Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

19-725-1998 (first entry)
Ruman A20 protein cDRA.
Roy anti-appropriote protein human; nuclear factor-kappa B;
Frappa B; Anhibitor; organ transplant; tissue transplant;
Frappa B; Anhibitor; organ transplant; disaue transplant;
Homo sapiens. RESULT 504
T19947 standard; cDNA; 4440 BP.

NO 199471 standard; cDNA; 4440 BP.

199471 1998 (first entry)
E Ruman A10 proceful cDNA.

NN A20; and 18 apportor; proceful; human NF keppa B; inhibitor; organ trans NR inflammanion; gene therapy; endother SNA Romo sapiens.

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PR (FEFF) 199 Location/Qualifiers 67..2439 /*tag= a

ö Query Match 1.39, Score 15; DB 35; Length 4440; Best Local Similarity 100:04; Pref. Ro. 8.37#c01.

Matches 15; Conservative 0; Mismatches 0; Indels 0

RESULT 505

1D 764783;
T-64783;
T-64783;
DT 01-582P-1927 (first entry)
DY 01-582P-1927 (first entry)
DY 01-582P-1927 (first entry)
Reman oxygen regulated protein ORP 150 cDNA.
KW 6xygen regulated protein; 0AP 150; stress protein; ischaemia;
KW hypoglycaemia; hypoxia; gene therapy; diagnosis; da.

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13%, Score 14, DB 24, Length 4921;
Best Local Similarity 100.0%, Pred. No. 3.476-02;
Matches 14, Conservative 0; Mismatches 0, Indele 0, Gaps
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AD 006414 standard; DNA; 4691 BP.
AD 006414 standard; DNA; 4691 BP.
AD 006414 standard; DNA; 4691 BP.
AD 16-FFS-1991 (first entry)
B Number polypeptide chain elongation factor 1 alpha (hEP-lalpha) gene.
AN Expression plasmid; ds.
AN New Aptient Control (Auditiers of Free Control 
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1D 78305 standard; DNA; 4821 BP.

20 304N-1997 (first entry)

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DT 03-0MY-1997 (first entry)

NT DESPOYIUS HRAN sequence.

NW TOSPOYIUS A flosses existance; crop protection; transgenic plant;

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PR 03-05-1996.
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INESCUIT 514

PER 2006 standard; DNA; 4969 BP.

PER 129669; March entry)

DE 102-12 receptor generally

NO ALAGE-1996 (first entry)

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Location/Qualifiers
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46.4136
46.135
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PT ATO-directed sense oligo:nucleotide(s) - useful for requisiting and strong receptor gene expression for e.g. wound healing and presented factor receptor gene expression for e.g. wound healing and background factor (a.g. wound factor for a factor of the factor factor in the factor facto

ö Score 14; DB 19; Length 4989; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Gaps Query Match Best Local Similarity 100.04; Matches 14; Conservative

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RESULT 516

ID 795673 standard; CDNA, 4989 BP.

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Minalian-like growth factor I receptor CDNA.

Eleman insulian-like growth factor I receptor CDNA.

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17 08:55:26 1998 US-08-887-977-9.zng	modulating apoptosis in e.g. cancer, AIDS, autoimmune diseases, The cold sequence codes for human installibility growth factor is receptor (167-18, ae an 1762). Claimed compositions comprise on the comparation comprise on the comparation of the comparative of Mamanches of the comparation of the c	misc_feature 182.189 misc_feature 182.180 misc_feature 182.180 misc_feature 182.180 misc_feature 7.1437 misc_feature 7.1447 misc_feature 7.1447 misc_feature 7.1447 misc_feature 7.1447 misc_feature 7.1467 misc_

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| RESULT 520 | Control of the contro

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Page 512

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CC The S. vedmorensis fosfomycin blosynthesis related gene 706001, encodes the methylation (HT) and epoxylation (EP) enayuse 883167 and CR 883168, respectively. By cloning and integrating clusters of the HT CC and EP enzyme genes in S. vedmorensis BPP/PR9623 (PERP P-1346), respectively present to the pheson of the Present CR 14 and Present Present CR 14
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Ouery Match 1.3%; Score 14; DB 18; Length 5169; Best Local Similarity 100.0%; Pred. Ro. 3.474-67; Machael of Matches 14; Conservative 0; Mismatches 0; Indels o

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Sections: Fig (A-N): 39pp. English.

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Page 516

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US-08-887-977-9. Ing

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05-MAR-1991; US-665792. (TEXA) UNIV TEXAS. Baseman JB. Dallo SF, Su CJ; WPI; 94-042859/05. P-P5DB; R47911.

Outery Match 13%; Score 14; DB 10; Length 5169; Best Local Similarity 100.0%; Pred. No. 3.474-079; Matches 14; Conservative 0; Mismatches 0; Indels 0

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/note "mismatched sequence" misc_difference 5087 /*tag n /note "mismatched sequence"

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Page 517
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Claim 13; Fig 11; 131pp; English.

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Sequence 5248 BP 1.379 A. 1272 C; 1502 G; 1163 T;
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used to goreen the cDNA library to obtain larger fragments, and missing 5 ends were obtained by Rocz A recombinant host cell, cell stretching to construct of the construction of the cons
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Score 14; DB 40; Length 5285; Pred. No. 3.47e+02; O; Mismatches O; Indels

Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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Length 5285; Query Match
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RESULT 529

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T2.-0704-1999 (first entr;)

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77-408-1998 (first entry)
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STATE transferring in the second protein fryesing
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JB 37; Lens. 1.47e+02; 1.5-e 0; Indels (Query Match Best Local Similarity 100.0%; Matches 14; Conservative

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US-08-887-977-9. Ing

RESULT 531

T03794 standard, DNA, 5356 BP.

AT 71394, T1397 (first entry)

PLamid BYERMY (fact insulin)

Type II diabetes mellitus; transgent animan

KN Tales; beta cell; Lalet mayloid polypeptide,

KN Fales; beta cell; Lalet mayloid polypeptide

KN Gles; beta cell; Lalet mayloid polypeptide

KN Gles; beta cell; Lalet mayloid polypeptide

KN Gles; beta cell; Lalet mayloid polypeptide

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7159-7159 Attgg=...o. /Attg=...o. /Attg=...o. 2575..1110 2775..1110 Attg=...oly.A Attge=...oly.A Conter**Numan GAPDB gene poly.A and RN termination region. MO9637612-A1. CEIMINALION FEGUOR 28 MOY-1996: 180371. 23-ANE-1996; 180471. 23-ANE-1996; 180446335. CEILY PO. KERTIER INC. CEILY DO. KERTIER INC. WPI: 97-031231/02. cyclic.
Chimeric Homo sapiens;
Chimeric Rattus sp.;
Chimeric synthetic.
Key
Fromoter 719.155 terminator introp

PARTICIPATION TO SERVICE AND STREET AND SOLD PROPERTY OF THE STREET OF T

atch 1.3%; Score 14; DB 25; Length 5356; cal Similarity 100/04; Pref. No. 3/7e-02, 3/7e-02, 1.44; Conservative 0; Mismatches 0; Indels (Query Match Best Local Si

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PI BERNINGH MR. BOOK-CARLET P. HALLEY DAJ, HATLES PC;

PI HEAFLELMEN JH. JAMSSEN LAJ. MADRANAR M. MELLER MD;

PI HEAFLERMEN JH. JAMSSEN LAJ. WAN den COUWWIAND ARM, WALG CJ;

PI HEAFLE MASSAL JA. SER.

PI THEORY GENERAL STORME - useful in gene tharapy and to suppress the country of the properties of the proper
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ID 116506 terandard; cDNA to mENA; 5460 BP.
AC 716506.
T0 6506 (first entry)

EWector pickla cone; human collagen type III alpha-1 chain gene.

EWector pickla cone; human collagen type III alpha-1 chain gene.

EW Polyhyfatin promoter; expression vector; human; collagen; insect cell;

EW Polyhyfatin promoter; expression vector; human; collagen; insect cell;

EW Polyhyfatin promoter; expression vector; human; collagen; insect cell;

EW Polyhyfatin promoter; expression vector; human; collagen; insect cell;

EW Polyhyfatin promoter; expression vector; human; collagen; insect cell;

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EW Polyhyfatin promoter; expression vector; human; collagen; insect cell;

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EW Polyhyfatin promoter; expression vector; human; collagen;

EW Polyhyfatin promoter;

EW Pol
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1.3%; Score 14; DB 15; Length 5474;
Best Local Similarity 10:0%; Pred. No. 3.47e-0;
Matches of Indels 0; Gaps
Matches 0; Indels 0; Gaps
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N90732 standard; DNA; 5376 BP.
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PR 13-7UL-1994; 164433.

PR 13-7UL-1994; 164433.

PR 15-7UL-1994; 19-7164433.

PR 15-7UL-1994; 19-716443.

PR 15-7UL-1994; 19-7UL-1994; 19-7UL-1994.

PR 15-7UL-1994; 19-7UL-1994.

PR 15-7UL-1994.

Ouery Match
Bet Local Similarity 10.04; Perel No. 3.47e-02;
Matches 14; Conservative 0; Hismatches 0; Indels 0; Caps
Db 4490 tttgctttttataa 4503
Cy 184 TTTCTTTTMAN 197

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Query Match
1.34; Score 14; DB 2; Length 5522;
Seet Local Similarity 100:04; Pred. No. 3.479-02;
Matches 14; Conservative 0; Mismatches 0; Gaps
CC synergistic cell killing effect useful for killing malignant cells CC in cancer freatment. CC in cancer freatment. 193 A; 1671 C; 1593 G; 1063 T; 80 Sequence 5520 BP.
                                       Ouery Match Similarity 100 04; Pred No. 176+073. Morels Similarity 100 04; Pred No. 176+073. Morels No. Morels 0; Mismatches 14; Conservative 0; Mismatches 0; Indels 0;
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RESULT 535
ID 751665; standard: DNA; 5520 BP.

AC 151665; standard: DNA; 5520 BP.

TO 751665; standard: DNA; 5520 BP.

C -NAI gen:

C -NAI gen:

FW rationersy antisense RNA; cancer: therapy, DNA damage;

RNA rationersy antisense RNA; cancer: therapy, DNA damage;

BEN 0000184-11.

PP 10-ACC-1996; U13922.

PR 30-ACC-1996; U5-52092.

PR 30-ACC-1996; U5-52092.

PA (ARKH-) ARCH DEV CONR.

PA (ARKH DEV CONR.

PA (ARKH-) ARCH DEV

RESULT 537 ID T09946 standard; DNA; 5643 BP. AC T09946;

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US-08-887-977-9. Eng

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US-08-887-977-9. xmg
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Face strain IFO 4179.
Location/Qualifiers
23214951
Actor a
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/*tag= b / number= 1 2701..2769 / rtag= c / number= 1 2770..4951 / *tag= d / number= 2

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Web72200-A1. | Number= 2 |
DE 25-UTK-1997. | Number 2 |
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Best Local Similarity 100.0%;
Matches 14; Conservative
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PR 19-
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Pred. No. 3.47e+02;
O; Mismatches O; Indels O
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AC 197334; Sendard: DNA; 5643 BP.
AC 197334; Sendard: Clist entry)
DE Apergillus orytae area, regulator gene.
DE Apergillus orytae area, regulator gene.
The Acta regulator: Pept; Pecc; protease; gene replacement; Martienne; gene inactivation; protease-free host cell; KW recombinant protein; sa
26-UUN-1996 (filter entry)
Aspergillus oryses exts gene, sarsk gene; protesse-free, activator; host cell; arsk gene; protesse-free; activator;
Aspergillus oryses extsan refully.
                                                                                                                                                                                                                                                                                                                                                                  /*tag= a
/codon_start= 2282..2284
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Best Local Similarity 100.0%;
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PR PERISTRANDE TRANSCRIPTION (REST PROVES) - used
PR TREAT SILENCE TRANSCRIPTION AND ACCEPTANCE OF THE PERISTRANDE TRANSCRIPTION AND ACCEPTANCE OF THE PERISTRANDE TRANSCRIPTION OF THE PERISTRAND OF THE PERISTRANDE TRANSCRIPTION OF THE PERISTRAND OF THE PERISTRANDE TRANSCRIPTION OF THE PERISTRAND OF THE PERIS
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7notem * In cDNA clone Dm4925 TmG.*
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Best Local Similarity 100.0%; Pred. No. 3.47e+
Matches 14; Conservative 0; Mismatches
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Score 14; DB 38; Length 5643; Pred. No. 3.47e+02; 0; Mismatches 0; Indels 0; Gaps

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PP-12139-A. (**tag* e. **)
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ID 785389 standard; CDRA; 6000 BP.

A 785389 standard; CDRA; 6000 BP.

DE Right profess by the standard; CDRA;

RM Protein tyrosine phosphatase PTP-08 encoding CDRA.

RM Protein tyrosine phosphatase PTP-09 repealine; outcoblast;

RM Protein tyrosine phosphatase PTP-09 repealine; outcoblast;

RM Protein tyrosine phosphatase PTP-08 encoding CDRA.

RM Protein tyrosine phosphatase PTP-09 repealine; outcoblast;

RM Protein tyrosine phosphatase PTP-09 PT
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CLO278 standard; CDNs; 5856 BP.
010378 standard; CDNs; 5856 BP.
010378 standard; Clark entry)
Encodes human 160kD mediator of inflammation protein.
Nediator of Inflammation; Cytokine; Bodgkin's lymphoma; NRP-160; se.
Bono sepiene. Location/Qualifiters
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Best Local Similarity 100 04; Pred No. 8:78-01; Local Similarity 100 06; Pred No. 8:78-01; Lindels 0; Gaps Matches 15; Conservative 0; Minmatches 0
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/*tsg= 1
/note= *PolyA site for cDNA clones cDm4927 and
cDm4928*
US-08-887-977-9. rng
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polya_signal polya_signal polya_site

CP 645 AAGAAACCAAAGAG 631

Tue Nov 17 08:55:26 1991

RESULT 543 ID Q86478 standard; cDNA; 6000 BP.

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US-08-887-977-9. rng
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US-08-887-977-9.xng

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2715..2826 /*tag= 9 /note="Claim 24" 2715..2826 /*tag= g /note="Claim 24"

misc_feature misc_feature

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DNA encoding process typosine phosphatese PTP-08 - isolated from DNA encoding process types and process the process of the pro
(MERI ) MERCK & CO INC.
Rodan GA, Rutledge SJ, Schmidt A;
WPI; 97-424232/39.
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Query Match 1.3%; Score 15; DB 34; Length 6000; Best Local Similarity 100.0%; Pred. No. 9.376+01. Matches 15; Conservative 0; Mismarches 0; Indels 0;

PR NOBSOBBLEA.

PD 13-CG-1289.

PR 11-RR-1289. UOL418.

PR 11-RR-1289. UOL418.

PR 15-CG-1289.

PR 15-RR-1289. UOL418.

PR 1600-1 Separation Inc.

PR 1600-1

2111111222231331111111

Query Match
1.3%; Score 15; DB 1; Length 6172;
Best Local Similarity 100:0%; Pred. No. 8.378-06.
15; Conservative 0; Mismatches 0; Indels

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RESULT 546

AD 78728: A 78729 standard; GDMS, 6236 BP.

AD 78727 standard; GDMS, 6236 BP.

DP 7872 standard; GLizer entry)

DP 7872 standard; GLizer entry)

MA 7871 standard; rete folder-seniative fragile site;

MA 7-linked mental retardation; diagnosis; therapy; sa.

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PR 20-20E-1996, AUGUSTS.

PR 20-20E-1996, AUGUSTS.

PR 20-20E-1996, AUGUSTS.

PR 20-20E-1996, AUGUSTS.

PR (MRIEW) WORKERS & CHILLEREN'S BOSPITAL.

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PROBLEM SALES AUG e. 6236 BP; 1802 A;

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RESOLT 547

RESOLT
                                                                                                                                                                              0; Mismatches 0; Indels
                                                                                                                                                                       Matches 15; Conservative
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ery Match 1.3%; Score 15; D9 38; Length 6259; at Local Similarity 100, Pred, No. 8.37e-01; there of these 0; Mismatches 0; Indels 0; Gaps Query Match Best Local S Matches

1652 C; 1310 G; 1472 T;

Query Match 1.3%; Score 15; DB 34; Length 6236; Best Local Similarity 100.0%; Pred. No. 8.37e+01;

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PD 11-MWT-1939.

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                                                                                                                                                                                                                         cc epidermal cells and DNA sequences encoding p35 and p40 subunits of cc 11-13 to target cells in Yero. Delivary of the construct allows cc 11-13 to target cells in Yero. Delivary of the construct allows cc 11-13 targets in Or treatment of solid metastatic or disseminated cumours. The treatment is constructed early early when the question construct is editorated to a site distant from the tumour. G10 A, 1610 C; 1568 G; 1507 T;
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No. 3.47-6-03; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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VO2043 standard; DNA; 6295 BP.
VO2043;
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04-UTN-1997; UG9591,
05-UTN-1996; US-659206,
(AURL-) AURACHE INC.
REARMILEWICH AL, YENG,
WFI; 98-041998/Q4
P-PSDB; W44004-05,
Intelleukli-12 gene therap)
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US-08-887-977-9.xmg

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Page 545

regenera (19474-44), and a second set which suplifies highly conserved sequences present in the catalytic demain of the c-kit ambraroup of Para (19475-46). The PIX genes identified are described in (4947-77 and 84189-02.

SLL-51 is expressed in several magnaty-orgic cell lines, but not in exprisoid cell lines. The SAL-51 expression prod. exhibited a significant sequence monology with known posterin typosic Kinases of the FIX/FIX family. The partial and fill-length SAL-51 gene sequence are given in 1555 And 1665 or 1746 1560 T;

Query Match
1.3%, Score 14; DB 6; Length 6827;
Perel No. 3.479-02;
Matches 14; Conservative 0; Minmatches 0; Zndels 0; Gaps

Db 1741 tettggceteetgg 1754 |||||||||||||||||||||||||||||Qy 147 fcffgcetecras 160

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Requences worse also provided for human osteogenic protein OP1 (053391, R54915), mouse OP2 (053392, R54916), human OP2 (05393) R54918), as well as the genomic DNA R54919), and mouse OP2 (053918, R54918), as well as the genomic DNA R54919, and well as the genomic DNA R54919, and well as the genomic DNA R54919, as well as the genomic DNA R54919, and well as the genomic DNA R54919, and other in State of the second R54918 protein K54919, and other morphopen Sequence 6418 Bp. 1205 A; 1917 C; 2026 G; 1270 T;
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ö Query Match 1.34; Score 14; DB 10; Length 6418; Best Local Similarity 100:04, Pred. No. 3-478-05; Indels 0; Gaps Marches 14; Conservative 0; Mismatches 0 of Gaps

Db 3947 tgtgtgggggctgt 3960 |||||||||||||||||||||||||||||Qy 483 TGTGGGGGCTGT 496

RESULT 551

DO 4047351 standard; DNN; 6827 BP.

O497351

DO 4047351 standard; DNN; 6827 BP.

O497351

DO 70488-19394 (first entry)

DF PTK gene SAL-51.

No For gene SAL-51.

No For gene SAL-51.

No For gene SAL-51.

No SAL

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W09315201-A.
D 25-AGC 1993 100568.
R 27-AM 1992 100568.
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fragments, to detect related genes, and to design drugs, peptides or antisense nucleotides that modulate pTR activity. Sequence 6827 BP: 1558 A: 1870 C: 1738 G: 1660 T;

Query Match
1.34; Score 14; DB 16; Length 6827;
Best Local Similarity 10:04; Pred 18:0. 3.47+0.7;
Watches 14; Conservative 0; Mismatches 0, Gaps

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RESULT 553
DD 675302 tenderd, RNA; 6828 BP.
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DD 675302 tenderd, RNA; 6828 BP.
DD 675302 tenderd and attrovitue serving 2. H.Att 2; gastroenteritis; antigen; se. Controlly 2. H.Att 2; gastroenteritis; antigen; se. Controlly 2. H.Att 2; gastroenteritis; antigen; se. Controlly 2. H.Att 2.

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W09537061-A1.

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12-07-1995: 100-229.
13-07-1995: 100-229.
14-07-1995: 100-229.
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NESULE 53

To 100101; stundard; DNN; 6827 BP.

To 1701010; stundard; DNN; 6827 BP.

To 1701010; stundard; DNN; 6827 BP.

To 14.PED-196 (first entry)

R different tyrosine-Kinase BAL-81 gene.

R different tyrosine-Kinase BAL-81 gene.

R Man different Since Solution Solution

796 As with a predicted MM of 88 kDa. H-Mat 2 genomic RUN is claimed and so are the nucleic acid sequence and anticlains of ORFS ia, ib and a. When the overlay region of ORF is and ib was examined, a constitution of the coverage of the co 88888888888888888888

Query Match 1.34, Score 14, DB 13, Length 6828, Best Local Similarity 71.44, Pref. No. 3.4-002, Pref. Matches 07, Indels 07, Gaps Matches 10, Conservative 4, Mikmatches 07, Indels 07, Gaps

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RESULT 554

In 11116 standard; DNA, 6953 BP.

To 11116 standard; DNA, 6953 BP.

To 0.701-1996 (first entry)

Results included green and standard; presented standards pigmentosa; presented incrementation; retinitis pigmentosa; presented first processor, prime; hybridisation; polymerase chain resortion; presented diagnosis; photoreceptor; green increments processor increments and standards and standards green green prime; prime

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US-08-887-977-9. rng
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US-08-887-977-9.zng

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misc_binding

detection of the mutation by PCR amplification or hybridisation methods

detection of the mutation by DCR amplification or hybridisation are michods

Frample 1. Column 23-30, 71pp. English.

CE This sequence encodes human inchoopin, and is shown in full with circums. The corresponding sequence without introns is shown in cort introns. The corresponding sequence without introns is shown in cort of principle are position 31 by substitution of C with A in cet of position are position 31 by substitution of C with A in cet of position, make in a position of absent columnic selection.

CC conformation, make in 11177 at a substitution of C with A in cetting control of the columnic selection of the columnic select

Query Match
1.3% Score 15; DB 19; Length 6953;
Best Local Similarity 100.0%, Pred. No. 8.78-01;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT. 556

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Query Match Best Local Similarity 100.0%; Matches 14: Conservative a

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| RESULT 555 | Topies structured of the control of

ö Onery Match 1.3%; Score 14, DB 35; Length 7277; Best Local Similarity 100.0%; Pred No. 3476+05. Matches Matches 14; Conservative 0; Mismatches 0; Indels 0;

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Query Match 1.34; Score 14; DB 39; Length 7287; Best Local Similarity 100:09; Pred. Ro. 3.474-07; Marches 14; Conservative 0; Mismatches 0; Indels 0

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RESULT 557

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RESULT 58.86

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DE 774889, standard; CDRs, 7393 BP.

DE 77489, standard; CDRs, 7393 BP.

DE 77489, standard; CDRs, 7494, standard; CDRs, 7494, standard; CDRs, 7448, standard; CDRs, 7449, standard; CDRs, 7449

RESULT 559

ID NOOGS, standard, cDNA, 7440 BP.

ID NOOGS, standard, cDNA, 7440 BP.

ID NOOGS, standard, cDNA, 7440 BP.

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Best Local Similarity 100.04; Pred No. 3479-02; Indels 0; Caps
Matches 14; Conservative 0; Mismatchies 0; Caps
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TA VARE SERVE MAY OF ACCEAN LIKE sequence. VMP-like sequence. VIs) locus.

KW VARE SERVE. Lyme disease; relapsing fever; therapy: disgnosis;

KW WARCHES; sa.
                                                                                                                                                and host cell transformation
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Best Local Similarity 100.0%; Pred. No. 3.47e+
Matches 14; Conservative 0; Mismatches
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PR 99721835-A. /note= 'putative ENV protein'.

PH 11-DE-1395. G1-5727635.

PH 11-DE-1395. G1-5727635.

PR 11-DE-1395. G1-5727635.

PR 11-DE-1395. G1-5727635.

PR 11-DE-1395. G1-5727635.

PR 12-1396.4730.

PR 12
PP 16-FEB-1995.

PR 11-AGC-1993 109-105356.

PR 11-AGC-1993 108-105356.

PR 15-AGC-1993 108-10536.

PR 15-AGC-1993 108-10
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1D 064559 standard; DRN; 7808 SP.

AC 064559 (first entry)
DT 01-DE-1995 (first entry)
DF Human neuronal calcium channel subunit alpha 1A-1.

KW 1-Ambert Exten Syddrome; ss.

S Home sapiens.
Locatios/Qualifiers
FR Kg 237.7569
FT cds 7769
FT cds 
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237.7769
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Porcine retrovirus.
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CDS 585..2159
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1.34; Score 14; DB 35; Length 7766;
Best Local Similarity 100.04; Pred No. 3.479-02;
Matches 14; Conservative 0; Mismatches 0; Gaps
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1.3%, Score 14; DB 15; Length 7808;
Best Local Similarity 100.0%, Pred. No. 3.478-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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28-ACC-1997.
29-EB-1995, 002952.
21-EB-1996, 002-012028.
ETEXA, ) UNY PEXAS SYSER.
Barbour AG, Hardham JM, Hovell JK, Norris SJ, Weinstock GM;
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DE 004600 accordend; DNA; 7791 BP.

DE 01-DEC-1995 (first entry)

DE Human neuronal calcium channel subunit alpha 1A-2.

Elemen neuronal calcium channel subunit; antagonist; agonist; diagnosis; NY Lambert Eaton Syndrome; sa. teagonist; agonist; diagnosis; NY Remo saplene Location(Qualifiers PT cds 270-77037)

FT cds /*tag= a /*tag= a /*tag= a
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/*tag* b
/note* *not present in alpha 1A-2*
                         7766 bases"
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Query Match 1.3%; Score 14; DB 35; Best Local Similarity 100.0%; Pred. No. 3.47e+02 Matches 14; Conservative 0; Mismatches

RESULT 555
LD TIABLE standard; CDNA, 7892 BP.
AC TIABLE 1998 (first entry)
DT MALLARE swine retrovitus CDNA.
DR Ministrate swine retrovitus CDNA.
DR RETROVITUS POTCHE AC DEPOCEAL; FOL protein; ENV protein; MR Retrovitus protein con infectious; provitus; organ transplant, donor;

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PP W0971885-A1.

PD 17-APR-1397.

PD 17-APR-1397.

PD 17-APR-1397.

PD 17-APR-1397.

PD 17-APR-1397.

PD 17-APR-1397.

PD 18-APR-1397.

PD 18-
TO 100500 standard; CDNA: 7918 BP.

TO 100500 standard; CDNA: 7918 BP.

TO 100500 standard; CDNA: 7918 BP.

TO 100500 standard standard standard; CDNA: 790000

THE NEW PROPERTY STANDARD STANDA
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Tue Nov 17 08:55:26 1998

US-08-887-977-9. Eng

DAM Quantitation (PDQ) on blood monouclear cells, infectivity titration and assemblishity testing on be performed. Unitakely animal donors without intext porchine retrovital sequence or with a lower copy number of Vital elements could be selected. Sequence 6000 89: 2333 A: 1959 C; 2012 G; 1856 T;

Query Match 1.3%; Score 14; DB 35; Length 8060;
Best Local Similarity 100,0; Pred; No. 3.474-02;
Marches 14; Conservative 0; Mimarches 0; Indels 0; Gaps

Page 567

Tue Nov 17 08:55:26 1998

US-08-887-977-9.rng

cc polypeptide (GAC), polymerase (PCL) and envelope (EAV) proteins. These cc proteins can be used to develop vital vaccines, nuiseen nousic acids. cc theorypes and other anitytal agents. They can also be used in cc transplantation technology and sa diagnostic roots are transplantation technology and sa diagnostic roots. 35 sequence 8196 BP; 2165 A; 7051 C; 2147 G; 1820 T;

Query Match 1.3%; Score 14; DB 38; Length 8196; Best Local Similarity 100; 0%; Pred. No. 3748-05; Matches 14; Conservative 0; Himmarches 0; Indels 0;

ARSULT 569

NO97000: standard; DNA: 8209 BP.

NO 007000: standard; DNA: 8209 BP.

NO 007000: standard; DNA: 8209 BP.

NO 007000: standard; DNA: 8209 BP.

NO 00700: standard; DNA: 8209 BP.

NO 00700: standard; DNA: 8200 BP.

NO

Page 566

US-08-887-977-9. Eng

Tue Nov 17 08:55:26 1998

Page 565

Score 15; DB 30; Length 7918; Pred. No. 8.37e+01; 0; Mismatches 0; Indels 0; Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative

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Mo71386-A.

Morral Partitive POL protein (partial)*

Morral 1977-1986.

Morral 1980.

Morral 1980. RESULT 567

10. 774811 standard: CDMA, BOKO BP.

174811 standard: CDMA, BOKO BP.

174811 standard: CDMA, BOKO BP.

174811 standard: CDMA, BOKO BP.

17881 standard: CDMA, CDMA

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Page 570
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The encoding the neuropeptide I-15 receptor - for screening for anti-Typerfensive series and sponsate, useful as anti-Obsetty spente, anti-Typerfensive series and sponsate, useful as anti-Obsetty spente, anti-Typerfensive series and sponsate and the series and series and series and series of the receptor (W17210) designated NPT-F5 convergence as incertified by smootching and sequencing of the 7 percent was incertified by smootching and sequencing of the 7 percent between the MTT-F1 like propose (W17210) designated NPT-F5 contact of the NPT-F5 perceptor of t
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Best Local Similarity 100.09, Pred. Ro. 8.37e-01.
Matches 15; Conservative 0; Mismatches 0; Indels (
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/*tag= aa
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Page 569
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/note Binding site for transcription factors
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DD 766909 stendard, DNA, 8371 BP.

DT 766909 (first entry)

DE 31-JUL-1990 (first entry)

DE RUMAN neuropeptide Y15 seceptor gene.

NEW REPORPHISE Y15 seceptor gene.

NEW REPORPHISE Y15 seceptor gene.

NEW CARGIOVARCHIST FOR SECURITY GENERALY GENERAL ACTOR.

NEW CARGIOVARCHIST GAUGH SATT.-PSYCHOTIC; neuroleptic; antidiabetic; NEW agonist; antidiabetic; and agonist; de.

NEW GAGGOVERALY GAGGOVERALY GAGGOVERALY GENERALY GENERAL GENE
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Page 573	Page 575
UB-08-887-977-9.mg Value Value	This sequences codes for the protein that apecifically binds to the enhancer of the alpha fetoprotein deee. This branch be useful for the product of the alpha fetoprotein about an entitle for the product of the alpha fetoprotein by inserting this bux into the product of the alpha fetoprotein by inserting this bux into the product of an originate fetup protein bloodylally active protein by a product of a product of an originate fetup protein promoter under the control of alpha fetoprotein gene manager and promoter under the control of alpha fetoprotein gene manager and product of a small of a second

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Query Match
1.3%; Goore 14; DB 27; Length 8797;
Best Local Stallarity 100;04; Pred 30: 3.478-05; Indels 0; Gaps
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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RESULT
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/product= green fluorescent protein
5320..5449
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PA MAR-1993; EP-20080 V.B.

PR 29-MAR-1993; EP-20080 V.B.

Billad AJDA, Vadenbroeck K;

Billad AJDA, Vadenbroeck K;

BR 19-1909; 601-190;

PA DAG Coding for portine interleukin 1-beta - and new recombinant proportine interleukin 1-beta useful as growth factor and the proteine interleukin 1-beta useful as growth factor and the proteine interleukin 1-beta useful as growth factor and the genomic DNA sequence coding for portine interleukin-1 beta was CC The genomic DNA sequence coding for portine interleukin-1 beta was CC The a metabolic growth factor in healthy pigs. e.g. modifying glucose turnover, energy consumption and lipid metabolism. It is also useful cc as an immunostilulant, esp. as a vectine aduluvant.

Sequence 8760 BP; 2318 A; 2087 C; 1989 G; 2365 T;
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24-MAY-1982, 109371.
13-MAY-1982, 109372.
14-MAY-1982, 109372.
15-MAY-1982, 1093
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Best Local Similarity 100.0%; Pred. No. 8.78-40;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps
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Best Local Similarity 10.0%, Pred. No. 3.47e-02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
        US-08-887-977-9.Ing
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||||||||||||||||||||||||||Qy 146 TrcTrGGCTccrGG 160
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                                                                                                                                                                                                                                             (see also Q6475) from a heterogenic virus so the the NAMBEV protein may be expressed by a transformed insect cent. The expressed protein may be used as an attigen in the generation of anti-NAMBEV autibodies. These authories may be used in a hepatitie of caccine grantee attacher and the protein and the protein and the sequence 9391 BP. 1862 A; 2836 C; 7898 G; 1995 T;
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1.3%; Score 14; DB 6; Length 9391;
Best Local Similarity 100.0%; Pred. No. 347+402;
Matches 14; Conservative 0; Manatches 0; Indels 0;
US-08-887-977-9.zmg
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US-08-887-977-9.xmg

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PR (USSN 108 DEPT HEALTH & HURAN SERVICES)

PA (USSN 108 DEPT HEALTH & HURAN SERVICES)

PI Franchini G Gallo RC, Gartner S, Lori PC, Markham PD;

PI STANCHINI G GALLO RC, Gartner S, Lori PC, Markham PD;

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PRODUCT STATEMENT OF STATEM

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US-08-887-977-9. rng

(ESULT 582
AC 01/751 standard; DNA; 9739 br.
AC 01/751, 971751; 97
DS 19-7ED-1929 (first entry)
DE HIV-(187) env protein encoding sequence.
BE HIV-(187) env protein encoding sequence.
AN Numan immodeficiently virus of the States; MN isolate; AIDS;
AN HIV-(187) env protein encoding sequence.
BE MAN HIV-(187) env protein env virus-1 (MN).
FR Rey Code (16.2810 A) (16.2810 A)
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RESULT 581

In T8849 standard; CDNR; 9739 BP.

In T8849 standard; CDNR; 9739 BP.

In T8849 standard; CDNR; 9739 BP.

In T8849 ST (first entry)

In Man Immunodificiency Virus-1 strain MN-PH1 genome.

In Man Immunodificiency Virus-1 strain MN-PH1 protein;

In Man Immunodificiency Virus-1 strain MN-PH1).

FR Man Immunodificiency Mn-PH1).

FR Man Immunodificiency Virus-1 strain MN-PH1).

FR Man Immunodificiency Virus-1 strain MN-PH1).

FR Man Immunodificiency Mn-PH1.

FR Man Immun

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Query Match 1.31, Score 14, DB 1; Length 9601, Brachen Similarity 100.03; Pred No. 3.478-02; Indels Matches 14; Conservative 0; Mismatches 0; Indels

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Page 588

geWEs, lambde B DNA from total DNA of H9 cells producing HIV-1 (MN) in this close was obtained lambda MN-PH1; twas smokoned in M1mph and fall purposed the military and the DNA sequence of the entire close was obtained.

All seths of The sequence represent bases which are likely and the specification. The mails set desired to the entry bases which are much sequence that recombinant production of the env protein was deduced that teconomians production of the env protein was sequence 9739 BP, 3457 A, 1774 C, 2313 G, 2191 T;

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Query Match 1.3%; Score 14; DB 3; Length 9739; Best Local Similarity 100,0%; Pred. No. 3.47e-0; Matches 14; Conservative 0; Himmatches 0; Indels

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PR 197599491-A. Product= env PD 15-007-1991.
PD 12-007-1991.
PR 17-007-1990; 18380.
PR 17-007-1990; 18380.
PR 17-007-1990; 18380.
PR 17-007-1990; 18580.
PR 1872: 39-1467244.
PR 1872: 39-1467244.
PR 1872: 39-1467244.
PR 1873: 39-1467244.
PR 1873: 39-1467244.
PR 1874: 189-1467244.
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PR 1875: 39-1467244.
PR 1875: 39-1467244.
PR 1875: 39-1467244.
PR 1875: 39-146724.
P RESULT 583

DO14752 standard; DRA; 9746 BP.

OO5-7252-1992 (first entry)

DE HV-118M-5713 ery protein-encoding sequence.

EN Human Immunodeficiency virus; Outled States; MN isolate; AIDS;

NN munologe protein; se.

CAST-1000 AIL 1800

F. CAST-1000 AIL 1800

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F. CAS

1.3%; Score 14; DB 3; Length 9746;

Query Match

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D 75850 ostandard; CDNA, 9746 BP.

C 75850 ostandard; CDNA, 9746 BP.

D 78500; S 75 (first entry)

D 78500; S 75 (first entry)

R 8400; S 75 (first entry)

B 75 (first ent
Best Local Similarity 100.0%; Pred. No. 3.47e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0;
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11-OCT-1990: 18-0289491.
17-OCT-1990: 18-0289491.
15-FEB-1995: 18-022818.
FFB-1995: 18-0289491.
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Per Jackbas, Wilson.

Per Jackbas, Wilson.

Per Guivalents and antibody production and antibody antibody and antibody antibody and antibodies against HTV in protein an be used as an immunogen for retaing antibodies against HTV in protein an be used as an sequence 9746 BP: 1761 C; 2149 C; 2171 T;

Onery Match 1.34; Score 14; DB 27; Length 9746; Best Local Similarity 100:04; PPter 6. No. 34 PPt-02; Matches 14; Conservative 0; Minanches 00; Indea 0; Gaps

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PROPERTY STATEMENT OF THE RJ, PREEMAN BA, PRIMOVICH I;

PROPERTY STATEMENT OF THE RJ, PREEMAN BA, PRIMOVICH I;

BR PETS STATEMENT OF THE RJ, STATEMENT OF INITIATION OF THE RANCOYLLE OF THE RA
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134; Score 14; DB 14; Length 10079; Best Local Similarity 100 04; Pred No. 3.476+02; Indels 0; Gaps Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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RESULT 556

RESULT 557

RESULT 52317

POT 06729-1998 (first entry)

DT 06729-1998 (first entry)

DT 06729-1998 (first entry)

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RM pulmonty infartion; placents proper and infartion;

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Ouery Match
1.3%; Score 14; DB 15; Length 10079;
Best Local Similarity 100:09; Pred. Mb. 1474-07;
Matches 14; Conservative p. Manantches 0; Indels 0; Gaps 0;

RESULT 587

ID 750835 standard; DNA; 11093 BP.

AC 750835;
DT 30-MBR-1997 (first entry)
DF 30-MBR-1997 (first entry)
DF 30-MBR-1997 (first entry)
DF NA cassette for ampligathic peptide production in milk.

NA Amphipathic peptide; milk; transgenic animal; beta-casein; promoter;

NN Amphipathic peptide; DNA cassette; disease resistance;

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| Manual | M

Location/Qualifiers
5085.5807
7 tags a
7121.116
7 tag b

/*tag= c /label= glucocorticoid response element halfsite complement (238.244)

/*tag= d //abel= trans-activating factor response element 1085..1090

tag= e abel= xenobiotic responsive element ..85 tag= f abel* metal regulatory element 0..660

tag= g abel= antioxidant response element 22..5032 /*tag= h //abel= antioxidant response element complement (251..256)

/*tag= k /label= SV40 enhancer region AP4

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RESULT 588

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                      Length 11093;
           Score 14; DB 27;
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0; Mismatches
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Best Local Similarity 100.0%;
Matches 14; Conservative
                                                                                                                                                    Db 3689 totttggtttcttt 3702
||||||||||||||||||||||||||||||Qy 632 TCTTTGGTTTCTTT 645
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***P W0964087-A1.

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Page 596

concider a process (see W1239) that acts as a growth inhibitor of breast and ownstin cancer cells. Days ecceling the BRCAL process can thus be used in gene therapy methods for the treatment of breast and ownstin cancers. Purified BRCAL protects can also concern these cancers and, since it is secreted, can be used to treat these cancers and, since it is secreted, can be used to identify the BRCAL receptor of olderity BRCAL protects and since it is served to use in breast and protein cancer treatment. The BRCAL gene (see 198840) and BRCAL protein (see W12386) have also been characterised. Methods are claimed for the isolation of BRCAL or BRCAL receptors, and for the isolation of BRCAL and BRCAL proceedings or sporadio) ownside concern using BRCAL and BRCAL proceptors and concern concern using BRCAL and BRCAL proteins and special contract cancers using BRCAL and BRCAL proteins and sequence 11283 BP. 4068 A; 1971 C; 2091 C; 3135 T; 888888888888888

Query Match 1.3%; Score 14; DB 35; Length 11283; Best Local Shallarity 100,0%; Pred No. 3,76+02. Markes 14; Conservative 0; Mismatches 0; Indels 0;

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BRCAL and SECA2 tumour suppressor gene products - useful to inhibit breast and overlan cancer cell growth and tumourisemests, or treat cancel inked hereditary or sporadic overlan or breast cancer Calan 15; Rege 77-89; 148pp. English.

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                              Page 617
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13%, Score 14: DB 24; Length 37895;
Best Local Similarity 10:0%, Pred. No. 3.476-02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps
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Query Match

1.34; Score 14; DB 10; Length 37913;

Ber Local Stmilarity 100.04; Pred 18:0. 3.478-02;

Marches 14; Conservative 0; Minmatches 0, Caps

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gene product is homologous to the methyltransferase from Streptomyces methyltransferase from Streptomyces thygroscoplous that is involved in the synthesis of the polyketide rappamicin*
                                                      /note 'gene product highly homologous to the reductae domains of type I Pics such a early from Sechostrophyspora erythraea', 27, 1987 ery from Sechostrophyspora erythraea', friend born from the highly homologous to from the synthesis of polymetiae compounds on not a min the synthesis of polymetiae compounds
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Droduct Stee product is highly homologous to

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/note= module 5 of SorB*
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ce" module 1 of SorB"
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10-FEB-1998.
14-DEC-1996; 764233.
24-AUG-1993; WO-U07954.
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Ouery Match 13% Score 14: DB 9; Length 46899; Best Local Similarity 100:0%, Pred No. 3.478-02; Matches 14: Conservative 0; Mismatches 0; Indels 0; Gaps Length 46899;

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RESULT 602

1D V05287 standard; DRM, 49377 BP.

AC V05287 Standard; DRM, 49377 BP.

AC V05287 Standard; DRM, 49377 BP.

THAR-1998 (first entry)

The Acceptance price cluster from Sorangium cellulosum. DE Polyketide sprintase; MSR Social Solarythetic module; beta-ketoscylaythates acyltanasferace; MSR Social Acceptance beta-ketoscylaythates acyltanasferace; MSR Social Acceptance beta-ketoscylaythates acyltanasferace; MSR Social Acceptance of the Acceptance of

Page 620

/*tag= d /note= "Sall restriction fragment, preferred

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PR 09-071-1994; US-258261.

PA (NOVE) 1994; US-258261.

PR (NOVE) 1995; US-258261.

PR
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1.34, Score 14, DB 39, Length 49377,
Peed No. 3.47-602,
Matches 14; Conservative O; Mismatches O; Indels O; Gaps
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27. Noving 197
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A 74401 standard; DNA; 53526 BP.

A 74401 standard; DNA; 53526 BP.

A 74401 standard; DNA; 53526 BP.

B 70 01-3071-1998 (first entry)

F 8 14-1050mal deminant polycystic kidney disease; APED; ss.

B 7000 applean

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B 7000 10974457 A1.

D 77-NAY-1997

B 70-TAN-1996 108-655136.

P 8 01-UNA-1996 108-655136.

P 9 01-UNA-1996 108-655136.

P 1 01-T 7 Connors T, Dackowski W, Germino G, Kilnger K, DR 71 98-01811/402.

P 1 01-T 7 Connors T, Dackowski W, Germino G, Kilnger K, DR 71 98-01811/402.

P 1 01-T 7 dagnose human autosemal or adult costs to address data and applean man autosemal or adult costs to address data 2; Pages 90-1189 53549.
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Tue Hov 17 08:55:26 1998

Page 624

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PREMENTE 5. Pages 60-99. TSTOP: English.

The control of the transmission of the control of the 
                      288888888888888888
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Query Match
1.31; Score 14; DB 40; Length 53577;
Best Local Smilarity 100.04; Pred Ro. 3.476+02,
Matches 14; Conservative 0; Mismatches 0; Indels 0;

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RESOUR 605

ID 794108 standard: DNA: 53377 BP.

DT 794108

ID 7941

Page 623

US-08-887-977-9.mg

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Query Match 1.3%; Score 14; DB 28; Length 53577; Best Local Similarity 100.0%; Pred. No. 3.479-07; Matches 14; Conservative 0; Mismatches 0; Edge 14; Conservative 0; Mismatches 0; Cape

PI Burn TC, Connors TD, Dackowski W, Germino G, Kiinger KW;
Pi Jandes GM, Glan F;
May 186-22017/22

Privated human polycystic Kidney disease and strenning for certain control human polycystic kidney disease and screening for certain control with the presence of the pres

RESULT 606

Discourse of the control of the control

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the present sequence is the human polytystic kidney disease 1 cureacy and a property of the pr

Ouery Match

1.34; Geore 14, DB 40; Length 53526;
Best Local Similarity 100.04; Pred No. 3.476+02.
Best Local Similarity 100.04; Pred No. 3.476+02.
Batches 14; Conservative 0; Mismatches 0; Indels 0;

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PESGUI 604

T18551 standard; DNs. 53577 BP.

T18551 standard; DNs. 53577 BP.

T18551 standard; DNs. 53577 BP.

TEMPORATE CONTRACT STANDARD Location/Qualifiers

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RESULT 600
2004525 standard; DNA; 134525 BP.
AC 004525; standard; DNA; 134525 BP.
AC 004525; standard; DNA; 134525 BP.
BE TOTAL base sequence of rice plant chloroplast DNA.
BE TOTAL base sequence of rice plant; as.
BO 10-007-1980; AS.
BO 10-007-1980; AS.
BO 10-007-1981; AS.
BO 10-007-1
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ferenciage identity to GTP-binding protein
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//Label 1.8012

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//abel= HG04.
//orte= "The encoded protein shows 48.86 percentage
identity to phosphohistidinoprotein-hexose
phosphotransfarase (pts8) from Mycoplasma
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encoded protein above 28 05 percentage
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(decc) from Mycoplasma pneumoniae"
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(Nucleotide) WORDSEARCH of: /home/obryen/dra977/olig/us-08-887-977-9 check: 9278 from
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                                                                                                       applicant: wang, wei
applicant: gish, kurt c.
applicant: schall, thomas j. . . .
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Database Release Information:
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n.a. - n.a. database search, using Smith-Waterman algorithm

Sat Nov 14 02:11:54 1898; MasPar time 1246:03 Geconds 1377:902 Million cell updates/sec Tabular output not generated. . .

>US-08-887-977-9 (1-1119) from US08887977.seq 1119 1 ATGITITCGACTCCAGIGAA. TACAAAAGCTGAGGICACIT. Title: Description: Perfect Score: N.A. Sequence: Comp:

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TABLE jmetric Gap 60 Scoring table:

Searched:

Minimum Match O% Listing first 1000 summaries Post-processing:

Database:

emb.-eest0 2:em_eet11
bicm-ert10 2:em_eet11
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bicb_eet14 6:gb_eet15 10:gb_eet16 11:gb_eet2 7:gb_eet13
bicp_eet14 6:gb_eet2 14:gb_eet2 11:gb_eet2 7:gb_eet2 7:gb_eet2 11:gb_eet2 11

Variance 1.143; scale 8.108

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         can be obtained from Jim Ajioka (jwaemole.bio.cam.ac.uk)
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Dr. Jeremy Nathans, Dept. of Molecular Biology and Genetics
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Vertebrata; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
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Contact: Marza M Washin-Herck EST Project Washin-Horon University School of Medicine 1444 Porest Park Parkway, Box 8501, St. Louis, No 63108 FRI: 314 266 1800 Pax: 314 286 1810

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Contact: Marza M/Nouse EST Project
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Mathington University School of Medicinep
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Unpublished (1996)

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Contact: Marra M./Mouse EST Project
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3 Adams, H. D., Foundaly; B. D., Field, C. E., Bass, S., Linher, K., Golden, K., Garner, J. C., Shh. E., Wible, C., Shiauys, H., Simon, M. and Venter, J. C., Sequence Database for Sequence-Ready Map Building

10 Upublished (1997)

10 The 26 a random BAC End Sequence Database for Sequence-Ready Map Department of Enkaryetic Genomic Research

The Institute for Genomic Research Query Match 1.78; Score 19; DB 24; Length 502;
Best Local Similarity 100.04; Pred. No. 2.50e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps US-08-887-977-9.rst Tue Nov 17 08:55:30 1998 REFERENCE AUTHORS

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9972 Medical Center Dr., Rockville, MD 20850, USA
Tel: 301 989 2000
Tel: 302 980 200 Class: MAC ends.
Location/Qualifiers
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BASE COUNT ORIGIN

Omery Match 1.74; Score 19; DB 27; Length 506; Best Local Similarity 100,0; Pred. No. 2,50e-06; Makethes 0; Indels 0; Gaps Mismatches 0; Indels 0; Gaps

RESULT 14 A148128 576 bp mRNA BST 05-DEC-1996 LECTRO 201A06 11 STRAKAGERE COLON (*9377204) ROMO SAPJENS CLONE SURFIGES, mRNA sequence.

ACCESSION AA148128
NID 91717527 ACCESSION A NID KEYWORDS E SOURCE D ORGANISM H

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Contact: Wilson RK TITLE JOURNAL COMMENT

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reversed clone: similarity on wrong strand ar: custom primer used clity sequence stop: 479.
Location/Qualifiers
1. 785

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Length 785; BASE COUNT ORIGIN

Db 724 AGAAGTCCTGGCTTTCCTG 742

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Schollenberg K., Steptoe, M., Tan, F., Undarwood, K., Moore, B., Theising B., Wylse, T., Lennon, G., Soares, B., Wilson, R. and Mitcarton, H. wand-Hank Mouse EST Project Unpublished (1996)

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/db_xref='taxon:10000'.
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/dlone='1400055'.00'.
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Page 39

US-08-887-977-9.rst

Page 40

Qy 876 AGAAGTCCTGGCTTTCCTG 894

RESULT 16
LOCUS
AA919945 127 bp mRRA BET 20-APR-1998
DEFINITION 747904.II Stratagene mouse lung 937302 Mus musculus cDRA clone
129646 5 similar to gp:X54637 NON-RECEPTOR TROSINE-PROTEIN
ACCESSION AA919945
NID 9206724

KEYWORDS SOURCE ORGANISM

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Page 37

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/ Organism="19mo saplens"
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Best Local Smillarity 100.05, Pred. No. 7.50-06, December 10, Pred. No. 7.50-06, December 10, Managethe 0, Indels 0, Managethe 0, Indels 0, Managethe 0, December 10, Managethe 0, December 10, Managethe 0, December 10, Managethe 0, December 10, December 10, Managethe 0, December 10, December 10,

RESULT 15 16047830 765 bp mRNA EST 08-UUL-1998
DETHITION 4064612.X1 Supano mouse liver mits Mus musculus CDNA clone 1450555
3 similar to TR:P97524 P97524 VERT-LONG-CHAIN ACTL-COA STRTHETASE.
ACCESSION A1047830
RID 93296117 KETWORDS SOURCE ORGANISM

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Brianyota, Metator, Chordata; Vertebrata, Mass.

1 chose 1 co. 785, 1 km 1 co. 785, 1 chordata, Marchies M. Dietzich, W. Dubuque, T.,

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Geisel, S., Mucha, T., Lacy, M., Jeak, Martin, J., Morria, M.

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Tue Nov 17 08:55:30 1998

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Jonita Gollogopath; Muridae; Mus.
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Trank Miller, Allen, M. Bowles, M. Dietrich, M. Dobuque, T.,
Trank M. Hiller, J. Allen, M. Bowles, M. Dietrich, M. Dobuque, T.,
Trank M. Stones, T. Lacy, M. To M. Martin, J. Morria, M.
Phillerbery, M. Seppos, M. Tan, P. Underwood, M. Morria, M.
Seating, M. Wilte, T. Lennov, G. Sozers, B. Millooi, R. and

The Washd-HEMI Mouse EST Project Unpublished (1996)

Contact: Marza M/Mouse EST Project
Washb-EBM Mouse EST Project
Rashbigton University School of Medicine?
1444 Porest park Parkway, Box 9501, St. Louis, MO 63108
1444 Porest park Parkway, Box 9501, St. Louis, MO 63108
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US-08-887-977-9.rst

Page 42

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/clone_lib="Strasbourg-A"
91 a 49 c 85 g 85 t
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Score 18: DB 22; Length 311; Pred. No. 1.59e-04; 0; Mismatches 0; Indels 0; Gaps Query Match Best Local Similarity 100.0%; Matches 18; Conservative

68 TCCAACCTCCTGATGTTG 85

601 TGGAAGCTGCTGATGTTG 618

RESULT 18
10-CGS B11064 381 bp DNA GSS 15-CGT-1997
DEFINITION RS-1005-NR.abi GTT Riman Genomic Sperm Library C Romo sapiens genomic clone Plate-CT 499 Col-15 Row-H, genomic survey ACCESSION B11064
ND 97330433

Boon september is the state of chordata; Vertebrate; Mammalia; Butheria; Prinates; Catarthin; Boninidae; Homo.
Prinates; Catarthin; Boninidae; Homo.
Mahairas (G. Factore, K. D.; Saith, T., Tipton, S., Schmidt, S., Mahairas (G., Factore, K. D.; Saith, T., Tipton, S., Schmidt, S., Constructor, Balanchard, A., West, A. and Hood, L. S., Construction of a Characterized Clone Resource for Genomic Tagged Connectors of Definition of Application and Preliminary Analysis of 20,000 Sequence Oppublished (1997)

REFERENCE AUTHORS TITLE JOURNAL

RESULT 17 TISSUL 311 bp RNA BST 11-JUL-1994 LOCGS ATTS2711 311 bp RNA BST 11-JUL-1994 CALL STATES ATTS2711 STATES ATTS2711 Provein Kinse ; glycine max, mRNA sequence. ACCESSION 25131313 STATES ATTS271 DRA sequence.

ACCESSION 2 NID 9 KEYWORDS E SOURCE t

Ouery Match 1.6%; Score 18; DB 16; Length 127; Best Local Similarity 100,0%; Pred. No. 1.59e-04; Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

93 CCTGGCTTTCCTGCACTG 110

Qy 882 cerécerrecreere 899

/tissue_type="lung"
/dev_stage='6.8 month old"
/lab.host="SOLM (kanamycin resistant)"
18 a 54 c 28 g 27 t

BASE COUNT ORIGIN

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Source: IMAGE Consortium, ILAN.
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IMAGE Consortium (info@image.llnl.gov) for further information.
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Contact: Mahairas GG, Eackrone KD, Hood L
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High quality sequence stop: 381.

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Page 43

Tue Nov 17 08:55:30 1998

1. 403 1. 403 /organism="Romo sapiens" /clone="196938" 119 a 61 c 68 g 155

Query Match 1.6%; Score 18; DB 70; Length 403; Best Local Similarity 100; 0%; Pred No. 1.59c-04; Matches 18; Conservative 0; Minmatches 0; Indels 0;

31-AUG-1995 EXECUT. 20
LACUS 1895.05

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DEPRINTION Y444(103.71 Examples CDNA clone 198653 5'.
ACCESSION 855068
ND 993.780

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Cloning vector: Lambda IAPII;
Physiological condition: Lawes strips incubated 2/3/4 days
Physiological condition: Lawes strips incubated 2/3/4 days
similarity detected by Blast's dailost Swiss-Prot entry P28583.
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/organism="Arabidopais thalians" /Ab_xee="taxon:3702" //issue="pp="sliced leaves of A.thalians ecotype

Arabidopsis thaliana transcribed genome: the GDR cDNA program blished

REFERENCE AUTHORS TITLE JOURNAL COMMENT

Page 44

US-08-887-977-9.rst

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94 t 101 9 BASE COUNT 126 a 60 c ORIGIN Ouery Match
1.64; Score 18; DB 27; Length 381;
Best Local Similarity 100; Os; Pred. No. 1.59e-04;
Matches 18; Conservative O; Mismatches 0; Adala 0; Gape

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04-AUG-1995

hain closens19939 Habrary-Scara fetal Have splean HEFA (concept712) (Pharmacia) with a sodified polylabar hostorollog (compicilly resistant) prince-Hallsh Raite-Parc 18 Rait-Parc 21 (compicilly resistant) prince-Hallsh Raite-Parc 18 Raite-P

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Wilson,R. The WashU-Merck EST Project Unpublished (1995) REFERENCE AUTHORS TITLE JOURNAL COMMENT

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FEATURES Source

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PEATURES

/organism="Homo sapiens" /note="Vector: pBeloBACil; Site_1: Hindill; Site_2: Hindill"

/db_zref="taxon:9606" /db_zref="taxon:9606" /clone="201111" /clone=11b="CIT-HSP" /sex="Male"

/cell_type="Sperm" | 141 a 84 c 75 g 123 t

BASE COUNT ORIGIN

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Query Match 16: Score 18: DB 20; Length 415; Best Local Similarity 100.04; Pred Re. 1.59e-04; Indels 0; Gaps Mitches 18: Conservative 0; Mismatches 0. Indels 0; Gaps

Onery Match 1.64, Score 18, DB 27, Length 423, Best Local Similarity 100,04; Pref. Re. 1.59c-04, Marches 18, Conservative 0; Mismatches 0; Indels 0;

RESULT 22 A005637 429 bp mRNA EST 12-JUN-1998 LOCUS 17 A005910.a1 Source_testie_NRT Romo sapiens cDNA clone INAGE:1641595 ACCESSION A70 mRNA sequence.

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KETWORDS SOURCE ORGANISM

Boon saptus Metatoa; Chordata; Vertebrata; Mammalia; Butheria; Printea; Retargota; Metatoa; Chordata; Wertebrata; Mammalia; Butheria; Printea; Catarrhia; Boninidae; Boon; Metatoa; E. O. Honnaley; S. D., Pitald, C.E., Bass, S., Linher, K., Conger, D., Sub, R., Wible, C., Shituya, H., Solden, M. and Venter, J.C.
Buthon, H. and Venter, J.C.
Buthol, H. and Venter, J.C.
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Operator: Mark Adams
Department of Eukaryotto Genomics
The Institute foor Genomic Research
9712 Hedital Center Dr., Rockville, MD 20850, USA
Fax: 301 88 9208

Unpublished (1997)

RESULT 21 551590 421 bp DNA GSS 19-JUN-1998
DECEMBER OF THE SPECIAL TR CIT-ESP Homo sapiens genomic clone 201111, genomic survey sequence.
ACCESSION 351390 92607924

KETWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE

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Shortstein Metacoo; Chorders; Vertebrate; Mammalis; Butheris;
Primaries Cetarrhini; Hominidae; Homo.
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MCI-CAD http://www.ncbi.nlm.nlh.gov/ncicgap.
Thung Cene Institute, Cancer Genome Anatomy Project (CGAP),
Oppublished (1997) JOURNAL REPERENCE AUTHORS TITLE

Contact: Robert Strausberg, Ph.D.
Fall: (2014 466-1550
Bmail: Robert_Strausbergeth; gov
CONG. Library Preparation: W. Bento Soares, Ph.D., M. Patima
Bonaldo, Ph.D.
Folkintry Arrayed by: Greg Lennon, Ph.D.

Tue Nov 17 08:55:30 1998

US-08-887-977-9.rst

Page 48

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Hilloria, Clark, N. Dubuyer, T. Eliston, K., Barkins, M., Parenon, C., Marria, M., Richer, M., Rillian, M., Rilli ORGANISM REFERENCE AUTHORS

Wilson, R. The WashU-Merck EST Project Unpublished (1995) TITLE JOURNAL COMMENT

CDB: GOU-410-897
CDB: GOU-410-897
Nahiben R Wilson R Wilson R Wallen R Wahlber R Wallen R Wal

/organism="Nomo sapiens" /clone="38356" 115 c 141 g 93 FEATURES Source

Query Match 1.6%; Score 18; DB 14; Length 461;
Best Local Similarity 100.0%; Pred. No. 1.59-04, Indels 0; Gaps
Michael By Conservative 0; Mismatches 0; Indels 0; Gaps

5 others

141 g 93 t

BASE COUNT ORIGIN

RESULT 24 VISIGE 462 bp mRNA EST 20-AUG-1996 LOCUS VISIGE 642 bp mRNA Mome saplens CDNA clone 30864 5' shallar to gb:H31520 40S REBOSONAL PROTEIN 524 (HUMAN);, mRNA ACCESSION W15156 HIS SIDE 91303021

US-08-887-977-9.rst

DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution NGT-CSMP clone distribution information can be found through the I.M.A.G.E. Consortium/LIMI at: www-bio.llnl.gov/bbzp/image/lmage.html

PEATURES Source

Seq primer: -40ml3 fvd. ET from Amersham

High quality sequence stops -418.

L. -429

/lab_host="DHIOB" 133 a 92 c 71 g 133 t

Query Match 1.6; Score 18; DB 13; Length 429; Best Local Similarity 100,04; Pred. No. 1.59e-04; Matches 18; Conservative O; Mismatches O; Indels O; Gaps

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ACCESSION NID KETWORDS SOURCE

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Page 45	Page 51.
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1. 463 will be supplied to the supplied of the Contact: Robert Strausberg, Ph.D.
Tel: (30) 496-1350
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Tisse Procurement: P. Marcion Linehan, W.D., Rodrigo Chuaqui,
Tisse Procurement: P. Marcion Linehan, W.D., Rodrigo Chuaqui,
CORN Library Preparation David B. Kriman, Ph.D.
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Examil: est Vertecon wastl.edu
Examil: est Vertecon wastl.ed RESULT 27 AA512131 509 bp mRNA EST 20-AUG-1997 LOCUS 150-000 155-006.el NCI_CGAP_Pr9 Romo sapiens CDRA clone IMAGE:996130, mRNA ACCESSION A551213 91273939 Gaps 0; human. Bomo sapiens Bomo sapiens Bomo sapiens Bomanja, Bominide; Vertebrata; Mammalia; Butheria; Primates; Catarrhini; Rominidee; Towase 1 to 463)

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Thurst Cace Index
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LOCUS US-08-887-977-9.zst Ouery Match 1.64; Score 18; DB 14; Length 477; Best Local Similarity 94.78; Pred Ro. 1.99e-04. Hearthes 19; Conservative 0; Mismatches 1; Indels 0; /organisms*Nomo saplens*
/organisms*Nomo saplens*
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08.05.01 Tue Nov 17 08:55:30 1998 FEATURES ACCESSION NID KETWORDS SOURCE ORGANISM ACCESSION NID KEYWORDS SOURCE ORGANISM FEATURES Source REFERENCE AUTHORS TITLE

Contact: Robert Strausberg, Ph.D.
Tal: (130) 496-1350
Tiles of the Strausbergelih.gov
Tissue Procurement: W. Marston Linchan, W.D., Rodrigo F. Chuaqui,
M.M., Michael R. Emmert-Suck, M.D., Ph.D. D. D. O.
CDNA Library Preparation: David B. Krieman, Ph.D.

NGMO.

NGI-GGAP http://www.nchl.nlm.nih.gov/ncicgap.

NGI-GGAP http://www.nchl.nlm.nih.gov/ncicgap.

National Canner Institute, Cancer Genome Anatomy Project (CGAP),

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Page 52

Page 50

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0; Mismatches 0; Indels 0; Gaps

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vector. Library went through one round of normalisation. Library
Homo applies by Benco Goares and M. Fathan Bonsido.
Homo applies by Benco Goares and M. Fathan Bonsido.
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Deuteroscionis Chocates; Vertebritatis Gorlinoscomata; Ortechtyes;
Eutheria; Archonota Primates; Catarrhini; Rominidae; Homo.
Homes 1 to 253
Hiller, C. Glark M. Dubque, T. Elistoco, K. Harkin, M.
Parsone, J. Rikhin, M. Kucaho, T. Kennon, G. Marzin,
Parsone, J. Rikhin, R. Williamon, W. Wallamon, G. Warzin,
Homes M. Rither, W. Williamon, W. Wallamon, P. and ORGANISM

REFERENCE AUTHORS

Wilson, R. The WashU-Merck EST Project Unpublished (1995) TITLE JOURNAL COMMENT

Contact. Histor Mr. Vallon Vallon Mr. Vallon

12 others 113 g 155 t 1. .525 /organism="Homo sapiens" /clone="137765" 131 a 114 c 113 g 155 FEATURES Source BASE COUNT ORIGIN Open Watch 1.6% Score 18; DB 14; Length 5.25; Best Local Smilarity 90.0%; Pred. No. 1.596-04; Meches 18; Conservative 0; Mismatches 2; Indels 0; Gaps

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RESULT 29
LOCUS A
DEFINITION T

ACCESSION NID KETWORDS SOURCE

Page 55

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Page 56

Vertebrate, Mammalia, Eutheria, Rodentia, Sciurognathi; Muridae; Murines, Mina. Mishigundh, S., Sakuma, R., Memura, M., Zou, E., Jearanaisliavong, J., Schigundh, S., Sakuma, R., Memura, M., Zou, E., Jearanaisliavong, J., A Gariagor of gene an impuse embryonal carcinoma F9 cells of Blochentied with expressed sequence tags TITLE

JOURNAL MEDLINE REFERENCE AUTHORS TITLE JOURNAL

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/organism="Mus musculus" /db_xref="taxon:10090" /cell_line="F9 cell" 44 a 51 c 39 g 41 BASE COUNT ORIGIN Ouery Match 1.5%; Score 17; DB 6; Length 175; Best Local Similarity 100.0%; Pred. No. 8.05e-03; Todels 0; Gaps Matches 17; Conservative 0; Mimmatches 0; Indels 0; Gaps

REGULT 31
LOCUS W1350 233 bp mRNA EST 02-0CT-1997
DEFINITION ma94c00:11 Scarce mouse p3NRT9:5 Mus maculus CDNA clone 131310 5'
similar to gb:302902 PROTEIN PROSPIRANSE PPZA, 65 KD RECULATORY
SIBENIT, ALPHA (HUMAN);, mRNA sequence.

ACTESSION WINSO

MID 1918790

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Page 53

cDNA Library Arrayed by: Greg Lennon. Ph. D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NGT-GAP clone distribution information can be
ver when the Ar. A.G. E. Consortium/Liki. at:

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Insert Length: 1065 Std Error: 0.00
Seq primer: -0013 fvd. Fr from Amersham
High quality sequence stop: 43.2

High quality sequence stop: 43.2

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Onery Match 1.69; Score 18; DB 8; Length 509; Best Local Similarity 100.09; Pred. 780, 1.599-04; Matches 18; Conservative 0; Mismatches 0; Indels

Db 212 CTTTATCCCTTTGATGTT 229

Qy 642 CTTTATCCCTTTGATGTT 659

NESCLT 28 R6851 525 bp mRNA EST 01-JUN-1995 LOCUS 1995 LOCUS NATIONAL SECT 01-JUN-1995 ACCESSION NATIONAL SECTION SECTION OF SECTION S

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Enkaryotte: mitochondrial eukaryotte; Metaron; Chordata; Etartonte: mitochondrial eukaryotte; Merinidae; Memor 1 (bases 1 to 163) 2 bbn J. Park. S. 'Lee'. M., Cho, W.K., Ahn, H.J., Lee, K.Y., Bwang, M.Y. and Jin.S. W. Bwang, M.Y. in Jinary opNa Oppubliand (1934) REFERENCE AUTHORS

TITLE JOURNAL COMMENT

FEATURES

Sobn.D. S.Park.C. M. Lee, W. K. Cho. H. J. Ahn, M. T. Lee, M. T. Brang, S. W. Jin Sobn.D. S. Park.C. M. Lee, W. K. Cho. H. J. Ahn, M. T. Lee, M. T. Brang, S. W. Jin Nabozecty of Maleular Biology
Ryungpoox National University of Research of Genetic Engl. Argungpook National Univ., Taegu 702-701,
RCT. B. O. Sop. 532

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AUTHORS TITLE

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Page 64

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RESULT 38 1017132 301 bp mRNA EST 16-JUN-1998
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37, mRNA sequence.
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Biblaryota Martasoa; Chordara; Vertebrata; Mammalia; Eutheria;
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Primates Catarrhini; Sominidae; Som
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NGT-CASA Nttp://www.ncbi.nlm.nlh.gov/ncicgap.
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taice identifiés à large number of male germ cell-specific sequence 8526. Reprod. 52 (1), 131-138 (1995)

January 1 to 287)
Roog-C.
Submitted (14-RMR-1994) C. Roog, Laboratory of Molecular Genetics,
Karolinaka Inetitute, 11 77 Stockholm, Sweden
L. Asy

/. cygailm="Mus musculus" /strin="Car" /db_rref"=taxon:10090" /db_rref"=taxon:10090" /closul_lb="Taxis" 67 a 03.0 66.9 73'

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LECTION 20204S 289 bp mRNA EST 10-NOV-1992
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JOURNAL COMMENT

Contact: Rerlavage AR The Institute for Genomic Research 932 Clopper Road, Gaithersburg, MD 20878 Tel: 3018699056

Tue Nov 17 08:55:30 1998

ACCESSION NID KEYWORDS SOURCE ORGANISM

Contact: Robert Strausberg, Ph.D.
1: 301, 960-1550
Email: Robert Strausbergenih, gov
cDM Library Preparation: M. Bento Soares, Ph.D., M. Patina

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Colone distribution, NGT-GGMP Colone distribution information can be

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/organism="Romo aspiens"
/fisolate="muscular atrophy patient"
/theref="taxon: \$605"
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Query Match 1.5%; Score 17, DB 22; Length 303; Best Local Similarity 100:0%; Pred No. 8:050-03; Indels 0; Gaps Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps BASE COUNT ORIGIN

RESULT 41 AA779070 310 bp mRNA EST 15-AUG-1997 1 DOTTS 15-AUG-1997 2 DEFINITION ESSA09 e1 MCI-CGAP_CG21 Home saplens cDNA clone IMAGE: 703860 3' SIALAR TO SPECIAL SANCHEMAN (HUNAN); CONTAINS ALL PEPTITIVE clement; CONTAINS element HANA sequence.

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Contact: Robert Straunberg, Ph.D.
Tel.; (201, 466:1525)
Tel.; (201, 466:1525)
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Page 65

Manna, M.D., Kerlawaga, A.R., Fleischmann, R.D., Fuldner, R.A., D. Addma, M.D., Fralawaga, A.R., Firischmann, R.D., Fuldner, R.A., Goonyne, J.D., Milteo, S., Sirchon, G., Shadon, R.C., Mannall, D., Fleisch, M. S., Sandon, R.C., Mannall, D., Fleisch, M. S., Sandon, R.C., Mannall, D., Charle, M. G., Sirchon, R.J., Ching, R.J., Shill, C.A., Fyddr, S.E., Socht, J.L., Suddek, D.M., Shirley, R., Balli, K.D., Syldge, R. A., Colema, T.A., Collins, E.J., Behner, D. W., Balli, R.D., Syldge, R.A., Colema, T.A., Collins, E.J., Balli, R.J., Shirley, C.J., Shirley, R.J., Shirley, R.J., Shirley, R.J., Shirley, R.J., Shirley, R.J., Shirley, R.J., Shirley, C.J., Shirley, R.J., Shirley, R

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Page 68

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Another stock of the manual with a modified protective corr pf713D per (Bhamacia) with a modified ways linkes site. In set is 16-2. Took I set minist a stand colon ways linkes site. In set is 16-2. Took I set minist a stand colon ways linkes site. In the set of the modified with set of the modified protection of the set of the modified principles. Characteristic constructed by parts of the modified principles (Pharmacia), digeated with set is defined coloned into the Not benchmark through one round of normalization, and was constructed by Bench Soarse and M. Patina Bonaldo. (Abb. Enter Through one round of normalization, and was constructed by Bench Soarse and M. Patina Bonaldo. (Atlance Through or set of the modified principles of the modified principles went through one round of normalization, and was constructed by Bench Soarse and M. Patina Bonaldo. (Atlance Through or Philosoper Philo
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Query Match 1.5%; Score 17; DB 8; Length 310; Best Local Similarity 100.0%; Pred. No. 8.05e-03; Indels 0; Gaps Minmatches 0; Indels 0; Gaps

RESULT 42 A332497 317 bp mRNA BST 21-APR-1997 1000 Sapiens CDNA 5' end, mRNA sequence. PETITION SETIMATED TO SETIMATE SETIMATION SETIMATED TO SETIMATE SETIMATED TO SETIMATE SETIMATED TO SETIMATE SETIMATED TO SETIMATE SE Homo.

Adams, M. D., Kralawge, A. R., Fleischmann, R. D., Fuldner, R. A.,

Adams, M. D., Kralawge, A. R., Fleischmann, R. D., Fuldner, R. A.,

White, O., Sistron, G. J. Blake, A. Brandon, R. C., Mann, Well, C.,

White, O., Sistron, G. J. Blake, A. Brandon, R. C., Mann, Well, C.,

Fitzgerald, L. M., Fitzhugh, W. M., Pritchman, J. L., Geoghagen, R. G.,

Glodek, A., Geller, J. C., Mann, M. K., Heolbook, E., Shike, P. S. Dr.,

Glodek, M., Relley, J. G., Liu, L. T. Mann, M. K., Heolbook, E., Shike, P. S. Dr.,

Mannaros, S. M., Merrick, P. S. P., Homo sapiens Eukaryotes mitochondrial eukaryotes; Metazoa; Chordata; Vertebrae; Mammalia; Dutheria; Primates; Catarrhini; Hominidae; REFERENCE AUTHORS

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Delice mouse.

Bales mouse.

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Bales of the state of th 1054515 5' similar to gb:MZ7034 Mouse MRC class I D-zegion cell surface antigen (MOUSE);, mRNA sequence. g2461382 ACCESSION NID KETWORDS SOURCE ORGANISM REFERENCE AUTHORS

TITLE JOURNAL COMMENT

PEATURES SOURCE

1. 137 rev2 ff from Amersham.

Location/Qualifiers

1. 137 min and management of the first of th Soares mouse mammary gland NDMMG onsalon (Alone-1054515 (Alone-110-*Goare mouse names /Assue-type-*anmary gland /Assue-type-*anmary gland /Assue-19109*

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64 t 104 9 98 c 61 a BASE COUNT ORIGIN

Score 17; DB 10; Length 327; Pred. No. 8.05e-03; 0; Mismatches 0; Indels 0; Gaps Length 327; Query Match Best Local Similarity 100.0%; Matches 17; Conservative

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RESULT 44 M963060 1316 bp mRNA BST 18-MAY-1998 DECORATION 01 R-21-fv-g-08-0-01.a2 01-R-21 Rattue norvegicus CDNA clone ACCESSION AA96306 9-0-01 3', mRNA sequence.

Martin orregicus

Martin orreg KEYWORDS. SOURCE ORGANISM R REFERENCE AUTHORS TITLE JOURNAL MEDLINE COMMENT

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Moreno-Palanques R.P., McDonald, L.A., Nguyen, D.T., Pelligrino, S.H., Philipse, C.A., Tyder, S.E., Souck, D.H., Shirley, R., Shalaka, D.H., Shirley, R., Shirley, D.H., Shirley, R., Shirley, D.H., Shirley, R., Shirley, D.H., Shirley, R., Shirley, D.H., Shirley, R., Danis, M., Shirley, D.H., Shirley, R., Lang, D.H., Shirley, D.H., Shirley, C.A., Collins, E.J., Barker, D.H., Marking, D.F., Tarker, C., Sharking, G.A., Ranch, M., Tarker, C., Sharking, G.A., Ranch, M., Tarker, D., Shirley, C.A., Marker, D., Marker, D., Marker, D., Marker, D., Marker, D., Marker, J.C., Marker, D., Marker, J.C., Massilian, M.A., Pielde, C., Fraese, C.M., and Veners, J.C., Massilian, M.A., Pielde, C., Fraese, C.M., and Veners, J.C., Massilian, M.A., Marker, J.Y. (S47 Suppl.), 3-174 (1995)

M. Rotte, E.J., Shirley, M. Shirle

TITLE JOURNAL MEDLINE COMMENT

FEATURES

/organism="Homo aspiens"
/organism="Homo aspiens"
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/organism="Homo aspiens"
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/dev_gateg="Embirgo" | week

Query Match 1.5% Score 17, DB 4, Length 317, Best Local Similarity 100.0%; Pred. No. 96.56-03. No. 106-18 0; Marches 17, Conservative 0; Marantches 0; Indels 0; BASE COUNT ORIGIN

RESULT 43
LOCUS EST 01-OCT-1997
LOCUS DEPRINTION vo62h07.11 Soarse mouses mammary gland Khéms Mus musculus cDKA clone

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refaint) with a modified polylinker host-DR10B (ampicillin traisfent) primer-Promes 2.2min Ratter-Scot and Penale piacens contined at Dirth (full term). Ise strand colon was primed between contined at Dirth (full term). Ise strand colon was primed to the contined at Dirth (full term). Ise strand colon was primed to the full term). Ise strand colon was a lighted to goo RI adaptors (Phirmacia) 31, double-stranded ODM. Was a lighted to goo RI adaptors (Phirmacia) 31, double-stranded on the cloned into the Ret I and Ecolon committee the property of the continued by Bento Soarse and M. Patina Bonaldo. Library continued by Bento Soarse and M. Patina Bonaldo. Soticichtyes: Delkaryotes Netzos; Demarates, Blisteria; coclonata; Deuteroccamis, Chorada, Vertebras, analots, Mammalis, Thria; Eutheria, Chorada, Tetaspod, Amilots, Amamalis, Thria; Eutheria, Archots; Primetes; Catarrhid; Ecolono, G. Marra, M. Descono, C. Marra, M. Parson, M. Ritharia, M. Roccas, T. Eliston, K. Hawkins, M. Parson, M. Reterson, R. Walthar, Rolliamson, A., Wohldmann, P. and The Washinstoners Sor Project
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A006526 A00652
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Pai. (301) 458-1550
Damil. Robert Standsbergdhan, gover
This close is available ropelty free through LLML.; contect the
TRAGE Consortium (Infostment Ploi, gov) for further information.
Treatt Length: 1003 Std Error: 0.00
Seq primer: -dails fed. Err from Ameraham
High quality sequence arop: 261.
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Pred. No. 8.05e-03;
0; Mismatches 0; Indels 0; Gaps
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/clone="150825"
55 a 97 c 104 g 92
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                 Page 73
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                                                                                                                                                  individually tagged normalized libraries constructed from 8, 12 and 18 day embryo. The tags is a string of 3-5 nucleotides present between the Not 1 site and the oligo-off rack which allows definitioned in library of crists of a close within the mixture. The subtracted of library (UT-R-12) was constructed as follows: FOR amplified cDNA inserts from a pool of UT-R-20 closes from which 3 '83Ts had ben derived was used as dariver in a hybridaration with the UT-R-20 library in the form of single-extended cutcles. The remaining single-stranded circles (abbracted library) was purified by hydroxypatite column chomodography, converted to bacteria (Life Technologies) to generate the UT-R-21 library. This procedure has been previously described (S00aldo, Lennon and Soares, Genome Research 6: 791-806, 1898)
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Prinate; Catarthoir, Sominidae; Boso.
Prinate; Co., Rathor, Somith, T., Tipton, S., Schmidt, S.,
Mahairas (Co., Rathor, E.D., Smith, T., Tipton, S., Schmidt, S.,
Transcoff, R., Najan, C., Blanchard, A., West, A. and Bood, L. E.
Somitheria of T. Chardcreited Close Resource for Genomic
Suppercipity Generation and Preliminary Analysis of 20,000 Sequence
Targed Connectors
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Vertebrata; Mammalia: Eutheria; Primates; Catarrhini; Hominidae;
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Best Local Similarity 100; 0%; Pred No. 8.056-03;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps
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High Throughpu: Sequencing Center
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High Courage Arman North, Seattle, WA 98109, USA
Tel: (1706) 615-858
Tex: (270) 616-988
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/lab_bose='DH08 (Life Technologies)*
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tion/Qualifiers
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Tue Nov 17 08:55:30 1998

SOURCE

REFERENCE AUTHORS

TITLE

JOURNAL COMMENT

FEATURES

BASE COUNT ORIGIN

ACCESSION A RID KEYWORDS SOURCE ORGANISM B

B. g

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Page 77

Owery Watch 1.5% Boors 17; DB 9; Length 360; Pack 160 of 18 prof. No. 9 (05-0); Pack 1.00 of 18 prof. No. 9 (05-0); Pack 180 of 18 prof. No. 9 (05-0); Pack 180 of /clone_lib~Tuji Kohara unpublished cDKN library*
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Page 80

Search completed: Sat Nov 14 03:05:54 1998 Job time : 3240 secs.

Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

protein - protein database search, using Smith-Waterman algorithm MPsrch_pp

Mon Nov 16 10:39:13 1998; MasPar time 10.30 Seconds 573.324 Million cell updates/sec Run on:

Tabular output not generated.

>US-08-087-977-10 (1.365) from USO8887977.pep 365 1 MFSTPVXIILCQSILHITQL......NISRQTSETADNDKASSFTH 365 Title: Description: Perfect Score: Sequence:

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Page 3

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Hepatitis C virus (HC 1.80e+02 MH mutant porcine rya 1.80e+02

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Page

II; MIP-3alpha; MIP-3beta; inflammation; asthma.

W0801557-A.

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Page 7

Location/Qualifiers
//note- *Putative N-linked glycosylation site//note- *Putative N-linked glycosylation site//note- *Phreonine residue especially favourable

modified_site

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TO R80952 standard: Protein: 358 AA.
R80952 standard: Protein: 358 AA.
DT 4-AFR-1996 (first entry)
DE Recombinant high affairty interleuk:
KW 11-39, 11-39; treepersor; monoclonal, wanaphylaxis, systemic lupus erythemat

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PR (22-MAY-1994; US-210350.

PR (27-MAY-1994; US-2103737.)

PR (27-MAY-1994); US-21037.

PR (27-MAY-1994); US-2104.

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RESULT. 10
IN 17873 at and and Protein; 360 AA.
AC RESULT. 10
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DE (IL-8) receptor polypeptide in 448.
KW IL-8 receptor polypeptide; G-protein-coupled receptor. PR 17-8 PS 17-92 1

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Page 12

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PI Chuntharapai A, Bebert C, Kim KJ, Lee J,
BR WI: 95-283131/37.
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R11864 standard; Protein; 398 AA.

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R11864; state posicid receptor; MOR-1; gene therapy; diagnostic. R1 Mosofor881-A.

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**Pages 196-194; 26699; English.

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Page 5

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Predo, G.H.; Thomas, K.M.; Suruki, H.; LaRosa, G.J.;
Wilkinson, M.; Folco, E.; Navarro, J.
No. Biol. Chem. (1994) 259:12391-12394
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The DNA sequence of equine herpesvirus 2.
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BAJ; Proudfoot, A.E.I.; Wella, T.M.C.
BAJ; Chen (1995) 2701.1949515000

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submitted to the EMBL Data Library, Pebruary 1994
Molecular cloning of the rat ILS receptor.
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Chemokine binding and activities mediated by the mouse IL-8
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Boogeverf, A.J.; Black, D.; Proudfoot, A.E.I.; Wells, T.N.C.; Pover, C.A.
Blocher, C.A.
Blocher, Blobys, Res. Commun. (1996) 218:337-343
Blocher, Loning of murine CC CRR-4 and high affinity
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cc ckr-4 glycoprotein; phosphoprotein; receptor; thymus

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SUMMARY

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Authors Aluja, S. K.; Shetty, A.; Tiffsay, H.L.; Murphy, P.M.
Jabl. Chem. (1994) 269-25638-2639
Hitle Comparison of the genomic organization and promoter function
for human interleakin 0 receptors A and B.
sercession. 137898
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Structure, genomic organization, and expression of the human historicalkin-8 receptor B gene.
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sjournal Science (1991) 253:1280-1283

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SARTHAN BARELLA: Mansson, E.; Ya \$5563 https://doi.org/10.1001/ **REAL THE STATE OF THE BARD NUMBER DEALD.

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Bare, L.A.; Mansson, E.; Yang, D. PERS Lett. (1994) 354;213-216 Expression of two variants of the human mu opioid receptor mRNA, in SK-N-SH colls and human brain. Othery Match 2.5%; Score 9; DB 2; Length 392; Best Local Similarity 100.0%; Pred. No. 3.900-04; Matches 9; Conservative 0; Minmatches 0; Indela *accession

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Db 332 CLMPVLYAF 340
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preliminary; translated from GB/EMBL/DDBJ e_type mRNA receptor. rences MUID:95096825 I56517

sauthors Thompson, B.C.; Mansour, A.; Akil, B.; Watson, S.J.
Hybornal Neuron (1933) 11:803-913
#fills (Johing and pharmacological characterization of a rat mu
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aterbors Rang, 10210-10214

**Status Proc. Natl. Acad. Sci. U.S.N. (1993) 90:10210-10214

**Title Nu opiate receptor: cDNN cloning and expression.

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152314 Sedqi, M.; Roy, S.; Ramakrishhan, S.; Elde, R.; Loh, H.E. Blochem. Biophys. Res. Commun. (1995) 209:563-574

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RESULT 12 ENTRY TITLE ORGANISM DATE

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nu opioid receptor ...
#formal_name Fattus norregicus #common_name Norway rat
26-701-1996 #sequence_revision 26-301-1996 #text_change
25-701-1996 ACCESSIONS REFERENCE #authors

FRENCE 15550, R.L.; George, S.R.; Nguyen, T.; Cheng, R.; Taataoo, a piournal D. Brioner-Ublian, R. O'Dowd, B.F.; Cheng, R.; Taataoo, J. Brioner-Ublian, R. O'Dowd, B.F.; Tautaoo, J. Neurochem. (1994) 62:2099-2100.

Filtle Cloning, characterization, and distribution of a mu-opioid recession 155504.

Query Match 2.5%; Score 9, DB 2. Length 398;
Best Local Similarity 100.0%; Pred. No. 3.90e-04;
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156553, A38991; 841075; 851215

156554, Malley, Jr. Bye, L.S., Campbell, A.D., Chen,

T., Tan, M.; Liu, J.; Schulman, H.; Yu, L.

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RESULT 15 ENTRI TITLE ORGANISM DATE

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G protein-coupled receptor GPR2 - human (fragment)

Sformal_name Romo sapiens *common_name man

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Marches A.; Docherty, J.M.; Nguyen, T.; Relber, M.; Cheng, R.; Reng, H. H.O.; Taul, L.C.; Shi, X.; George, S.R.;

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Query Match 2.2%; Score 8; DB 2; Length 354; Best Local Similarity 100.0%; Pred. No. 4.30e-02; Indels Matches 8; Conservative 0; Mismatches 0; Indels

Search completed: Mon Nov 16 10:38:55 1998

Page 19

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Page 17

nucleic acid sequence not shown; translated from GB/EMBL/DDBJ

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Bare, L.A.; Mansson, E.; Yang, D. Sess Lett. (1949) 545;13-216 Expression of two variants of the human mu opioid receptor SANA in SK-N-SR cells and human brain.

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Job time : 70 secs.

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MPsrch_pp protein - protein database search, using Smith-Waterman algorithm Mon Nov 16 10:34:39 1998; MasPar time 9.71 Seconds 942.768 Million cell updates/sec Run on:

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171 STFVPNOKTWTOGSDVCERKOTVSEPIRKLIAKGLELLAGEPIPLÆMIFTTFVK 330
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Rest Local Similarity 100.04; Pred No. 0.04-00; Indels 0; Gaps
Matches J35; Conservative 0; Mismatches 0; Indels 0; Gaps
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| 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 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DISULPID 110 187 BY SIMILARITY.
SEQUENCE 353 AA; 39938 MM; 03D8F100 CRC32;
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01-UR-1994 (REL. 29, CREATED)
01-UR-1994 (REL. 29, LAST EXQUENCE UPDATE)
01-UR-1997 (REL. 35, LAST ANNOTATION UPDATE)
HIGH AFFIHITI INTERLEUIHI-8 RECEPTOR B (IL-8R B) (CXCR-2) (GRO/AGSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HIGH APPINITY INTERLEUKIN-8 RECEPTOR B (IL-8R B) (CXCR-2) (GRO/MGSA RECEPTOR).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DEGENCE FROM N.A.
STRAIN-12959; TRAINERS STRAINS OF CAMERATO I., TOT K., MOORE M.W., WOOD W.I.;
LEE J. CACLAINO C. CAMERATO I., TOT K., MOORE M.W., WOOD W.I.;
T. IRROWGL. 155:12156-2164(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE; 94230294.
POLCO G. N. TEROS K.M., SUZURI B., LAROSA G.J., WILKINSON N.C.,
POLCO G., MYARRO J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ROBERTO CKCRZ.
ORYCOŁGGO COUJCUJOS (RABBIT).
STRAKTOTA: HETRAKOA, CHORDATA: VERTEBRATA; TETRAPODA: MAMOLIA;
KUTHERIA; LAGONORPHA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-887-977-10.rsp
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DOLANGERI L.F. JR., CONKLYN M.J., BRESIOW R., SHOWELL H.J.,
ETRAND C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
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7 (POTENTIAL).
7 (POTENTIAL).
CTOPIASHIC (POTENTIAL).
BY SIMILARITY.
POTENTIAL).
                          PROSITE; PSO0237; G_PROTEIN_RECEPTOR; 1.
G-PROTEIN COUPLED RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match

2.5%; Score 9; DB 1: Length 353;
Best Local Similarity 100.0%; Pred. No. 4.77-05;
Matches 9; Conservative 0; Mismatches 0; Indels
Matches 9; Conservative 0
                                                                                                                                                                                                                                                                Z (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
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                                                                                                                                                            EXTRACELLULAR (POTENTIAL).

1 (POTENTIAL).
                                                                                                                                                                                                                                     (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                             (POTENTIAL)
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353 AA; 39947 MW; B592FE64 CRC32;
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BIOL. CHEM. 269:29355-29358(1994).
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SEQUENCE FROM N.A.
STRAIN-ALBINO: TISSUE-BLOOD;
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|||||||||||
307 YAFIGOKPR 315
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MANAGER 19617312. 261, SETIEN F., CONEALEE S., GONEALEZ-ROCES S.,
LIDER-LAMBOCEMENTICS A. 2516. 267, 19955.
LI INDROCEMENTICS A. 2516.
LI INDROCEMENTICS A. 2516. 267, 19955.
LI INDROCEMENTICS A. 2516.
LI I
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TO 1128 JACAN

TO 20313.99 (REL. 35, CREATED)

TO 1-809-1997 (REL. 35, LEST SEQUENCE UPDATE)

TO 2-808-1997 (REL. 35, LEST SEQUENCE UPDATE)

TO 2-808-1997 (REL. 35, LEST SEQUENCE UPDATE)

TO 3-808-1997 (REL. 36, LEST SEQUENCE UPDATE)

TO 3-808-1997 (
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1- SUBCELLIDIAR LOCATION: INTEGRAL MEDBRANE PROTEIR
1- TISSUE SPECIFICIAL: EXPRESSED PRETERENTALLY IN HEUTROPHIES.
1- SHILARIT: BELONGS OF PARIX I OF G-PROTEIR COUPLED RECEPORS PROF. 8451952.
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                                                                                                             ( (property).

ETRACELLULAR (POTENTAL).

S (POTENTAL).

( FOTENTAL).

( FOTENTAL).

7 (POTENTAL).

7 (POTENTAL).

8 (STRIAL).

POTENTAL.

PATRIANITY.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 9; DB 1; Length 353;
Pred. No. 4.77e-05;
0; Mismatches 0; Indels
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2. [FOTENTIAL).

3. [FOTENTIAL).

4. [FOTENTIAL).

4. [FOTENTIAL).

5. [FOTENTIAL).

6. [FOTENTIAL).
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SSITE; PSD0237; G_PROTEIN_RECEPTOR; 1.
PROTEIN COUPLED RECEPTOR; TRANSHEMBRANE; GLYCOPROTEIN;
          EXTRACELLUIAR (POTENTIAL).
3 (POTENTIAL).
CTTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TRACELLULAR (POTENTIAL).
(POTENTIAL).
TOPLASMIC (POTENTIAL).
POTENTIAL:
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RACELLUIAR (POTENTIAL).
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                                                                                   (POTENTIAL)
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TOPLASMIC (POTENTIAL).
SIMILARITY.
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117 194 E
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Best Local Similarity 100.0%;
Matches 9; Conservative
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SOCIONE RROW N. MEDILIE: 9417014 CERRETTI D.P. NELSON N. KOELOSKY C.J., MORRISSET P.J., COPELAD N.G., CILBERT D.J., JERRINS N.A., DOSIK J.K., MOCK B.A.; GENORICS 18:410-413(199). 88B OR CYCR2 OR CHCAR2 OR GPCRIS. 8 MUSCULUS (MOUSE). KARYCHA, HETALOA, CHORDATA, VERTEBRATA; TETRAPODA; MAMGALIA; TERBIA, RODERTIA.

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SECTINCE FROM N.A. PEDLINE: 942556 HRANDA V. KINO K. NOWERA H., MUTAIDA N., MUTAKAMI S., MAISUSHIMA K.. GENE 147:297-300(1994).

NEDLINE: 1816.08 TH. GIBERT D.J., MOORE K.J., TU L., SIMON N.I., CONTING. 1817-1816.09 TH. GENT Y., GIBERT D.J., MOORE K.J., TU L., SIMON N.I., TRIKER N.A., CONTING. N. JERKING N.A. SIMONICS. 1817-1816.1939.1 THE SECOND STATEMENT OF SIMONICS. 1817-1816.1939.1 STATEMENT OF SIMONICS. SIM

RESULT 7
10 1168 HOUSE STANDARD; PRT; 359 AA.
AC 725343;
DT 0.1-UNY-1994 (REL. 29, CREATED)
DT 0.1-UNY-1994 (REL. 29, LAST SEQUENCE UPDAITE)
DT 0.1-NOY-1997 (REL. 35, LAST ANNOTATION UPDAITE)
DT 0.1-NOY-1997 (REL. 35, LAST ANNOTATION UPDAITE)

CARBOHYD CARBOHYD DISULFID SEQUENCE

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BÖDENCE FROM H. A. SURE-LIVER; TOTALL HENSTRA: F. SEIRAR F., WATANABE K., TSURUPUJI S., NAKAGAWA H., THE SEIRAR F., WELLER F., WATANABE K., TSURUPUJI S., NAKAGAWA H., SURWATTER (JUL-1995) TO EMBL/GENBANK/DBBJ DATA BANKS.

GOBL A.E., WANG S., ZHOU Y., OEBERG K.; SUBMITTED (FEB-1994) TO EMBL/GENBANK/DDBJ DATA BANKS

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Query Match 2.5%; Score 9; DB 1; Length 359; Best Local Similarity 10c/04; Pred. No. 4.776-05; DB 25.05 9; Mismatches 0; Indels

RE SEQUENCE FROM N.A.

SECURISE STATEMENTS THE SECURISE SECURISES AND LUNG;

RE STRAINSHAFTER, TISEDS-SPLEEN, AND LUNG;

RE STRAINSHAFTER, TISEDS-SPLEEN, AND LUNG;

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E (POTESTAL).
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C (POTESTAL).

SEMILARITY. 58290194 CRC32;

313 YAFIGGKFR 321 ||||||||| 307 YAFIGGKPR 315 å ò

[1] SEQUENCE PROM N.A. STRAIN-SPRAGUE-DANLEY; TISSUE-LUNG;

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Query Match 25% Score 9; DB 1; Length 359; Best Local Similarity 100:0%; Pred. No. 4.776-05; Best Locales 9; Conservative 0; Mismatches 0; Indels Mismatches 5

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CATALTRILATION

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J. BOUL CHEM. 1857:1231-16894(1932).

MEDICAL CHEM. 1857:1231-16894(1932).

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CAUGES ACTIVATION OF NEUTROPHILS. THIS RESPONSE IS MEDIATED VIA A C-PROTEIN THAT ACTIVATE A PROGRAMMINGLANCING SECOND MESSAGES STREAM. ACTIVATE A PROGRAMMINGLANCING SECOND MESSAGES STREAM. ACTIVATE A PROGRAMMING ACTIVATE A HIGH AFFINITY.

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TRINGELLUIA (POTENTIAL).

TRINGELLUIA (POTENTIAL).

* TOPERATIC (POTENTIAL).

TRINGELLUIA (POTENTIAL).

(* TOPERATIC (POTENTIAL).

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(* TOPERATIAL).

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TRINGELLUIA (* TOPERTIAL).

TRINGELLUIA.

* TOPERATIAL.

* TOPE

Query Match 25%; Score 9; DB 1; Length 360; Best Local Similarity 100.09; Pred. No. 4.776-05; Matches 9; Conservative 0; Mismatches 0; Indels

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STANDARD; RESULT 10 ID CKR4_MOUSE AC P51680;

PRT;

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Page 18
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0; Indels

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DESCUIT 11
DESCUIT 11
DESCUIT 12
DESCUIT 13

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HEDLINE: 94051137
HANG -19. FARTY. EPLER H.C., GREGOR P., SPIVAR C., UEL G.R.;
PROC. NATL. ACAD. SCI. 05.8A. 90.10330-10334(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

2.5%; Score 9; DB 1; Length 360;
Best Local Similarity 100.0%; Pred. No. 4,778-05;
Matches 9; Conservative 0; Mismatches 0; Indels
Matches 9; Conservative 0
                      T 181 181 E -> 0 (IN REP. 2).
T 202 205 B -> D (IN REP. 2).
T 241 241 W -> C (IN REP. 2).
T 245 241 241 W -> C (IN REP. 2).
T 246 G -> A (IN REP. 2).
T 253 293 293 C -> A (IN REP. 2).
T 311 P -> S (IN REP. 2).
E 360 AA: 41462 MH; 5809A112 CRC32.
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1200 CENTRE BANJA 1552
PRECENT N. PANO S., MORI K., NISHI M., TAKESHIMA
171 L. 227:311.314(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (3)

13)

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1350D=RRAIN

CHEW L. MESTER A., LIU J., HURLEY J.A., YU L.;

MOL. PHARMACOL. 44:8-12(1393).
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STRAIN=SPRAGUE-DAWLEY; TISSUE-BRAIN;
BUNZOW J.R., GRANDY D.K., KELLY M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CONFLICT
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MEDLINE, SESSIGNA.
MEDLINE, SESSIGNA.
PROCEERR AJ. BLACK D. PROUDFOOT A.E.I., WELLS T.N.C., POWER C.A.;
BIOCHEM, BIOPHS: RES. COMMEN. 218:337-344(1996).
01-0CT-1996 (RZL. 34, CREATED)
01-0CT-1996 (RZL. 34, LAST REDURENCE UPDATE)
01-0CT-1996 (RZL. 34, LAST ANNOTATION UPDATE)
C-C CHEMOKINE RECEPTOR TYPE 4 (C-C CKR-4) (CCCKR-4).
MIS MISCULIS (MOUSE).
EUTHERIA.
EUTHERIA. RODERTIA.
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Tue Nov 17 08:55:22 1998 DOMAIN
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LIPID
CARBOHYD
C Page 19

CTOTALSHIC (POTENTIAL).
ENTRELLIALM, POTENTIAL).
CTOTENTIAL).
CTOTENTIAL).
CTOTENTIAL).
BY SHILMETT.
PALHATARE (POTENTIAL).
POTENTIAL.
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POTENTIAL.
POTENTIAL.
POTENTIAL.
POTENTIAL.
POTENTIAL.
POTENTIAL.

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EXTRACELLULAR (POTENTIAL)

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SSOURCE FROM INSUB-LIVER;
FIRST #4371496 INSUB-LIVER;
REDLING; 94371496 INSUB-LIVER;
FROM B.H., AUGUSTIN L.B., FELSHEIM R.F., FUCHS J.A., LOH H.H.;
FROC. WALL. ACAD. SCI. 0.8.A. 91.9081-9088(1994).
POTENTIAL.
POTENTIAL.
P > G (IN REP. 5).
V > I (IN REP. 3 AND 4).
LENLE -> KIVLE (IN REP. 7).
H; 2C21013D CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                    RESULT 12

ID OPERLHOUSE STANDAD; PRT; 398 AA.
A 74286; 960768;
DT 01-NOV-1995 (REL, 31, LAST SEQUENCE UPDATE)
DT 01-NOV-1995 (REL, 31, LAST SEGUENCE UPDATE)
DT 01-NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUE-BRAIN:
LINE: 9377399.
SI G.C., PAN Y.X., BROWN G.P., PASTERNAR G.W
S LETT. 369:192-196(1995).
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-> I (IN REF. 2). -> T (IN REF. 2).

SUBMITTED (SEP-1993) TO EMBL/GENBANK/DDBJ DATA BANKS. UDENCE FROM N.A.
ALINESPRACED-DAWLEY; IISSUE-OLEACTORY BULB;
DLINE; 9405950.
THE NANSORA A. AKIL H., WATSON S.J.;
PROM 11:903-913[1993].

SEQUENCE FROM N.A.
HEDLINE; 9424630.
HEDLINE; 9424630.
BRICHER, UNDORDES.R., NGTZEN T., CHENG R., TSATGOS J.,
J. NEUROCHEN. G. 21099-2105(1994).

THE SEQUENCE OF 136-311 FROM N.A.

THE SEQUENCE OF 136-311 FROM N.A.

THE SEQUENCE OF 136-311 FROM N.A.

THE SEQUENCE OF 136-312 FROM N.A.

THE SECUENCE OF

A CERDB CCR UND.

JR CCREB CCR UND.

JR CCREB CCR 0315.

JR CCREB CCR 0315.

DR CCREB CCR 0315.

DR CCREB CCR 0315.

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2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
CYTOPLARIO.

CYTOPLARIO.

(POTENTIAL).

Tue Nov 17 08:55:22 1998

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STRAIGHE-FROM M. STRONG M. STRAIGH-BALLB; STRAIGH-BALLB; STRAIGH-BALLB; STRAIGH-BALLB; MACHENDEO K., MATON B., TIAN J., MAGENDEO K., MAURAN D., TRAN T., LEZ D.S., WEN C., XIA Y., LUSIS A.J.,

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Tue Nov 17 08:55:22 1998
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STANDARD;
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ROTEIN_RECEPTOR; 1. EPTOR; TRANSMEMBRANE; GLYCOPROTEIN; PROTEIN; PALMITATE.

RACELLULAR (POTENTIAL). POTENTIAL). POTENTIAL). POTENTIAL). POTENTIAL). * (POTENTIAL).

(POTENTIAL)

AR (POTENTIAL). LASHIC (POTENTIAL).

SIMILARITY.

(POTENTIAL).

(POTENTIAL).

SEQUENCE PROM N.A.

HEDLINE, SHISDESHAIN: HEDLINE, SHISDES. HELLINE, SHISDES. PERSICO A.M., HAWKINS A.L., GRIPFIN C.A., HEL. C. P. JOHNSON P.S., PERSICO A.M., HAWKINS A.L., GRIPFIN C.A.,

HL G.R.; PEBS LETT. 338:217-222(1994).

TISSUE-BRAIN N.A.

C. TISSUE-BRAIN.

C. TISSUE-BRAIN.

C. TISSUE-BRAIN.

A. RESTA. A.R., SURLET J. H., BTE L.S., CAMPBELL A., TIAN M.,

A. GERN Y., TOL.

C. TISSUE-BRAIN.

C.

THE GOOTE ...
THE GOOTE ...
THE FORTH COUNTY OF PROPERTY TANSEMBRANE; GLYCOPROTEIN; FRANSEMBRANE; GLYCOPROTEIN; PROSPERGENT MALTITALE.
PROSPERGETATION; LICEPROTEIN; PARTICULAR, (POTENTIAL). PALMITATE.
EXTRACELLOLAR (POTENTIAL).
1 (POTENTIAL).
CYTOPLASHIC (POTENTIAL).

2 (POTENTIAL). EXTRACELLUIAR (POTENTIAL). 3 (POTENTIAL).

4 (POTENTIAL). EXTRACELLUIAR (POTENTIAL)

(POTENTIAL)

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Page 24

EXTRACELLUIAR (POTENTIAL) 2 (POTENTIAL). EXTRACELLUIAR (POTENTIAL). 3 (POTENTIAL). POTENTIAL). RACELLULAR (POTENTIAL) S (POTENTIAL). EXTRACELLUIAR (POTENTIAL). (POTENTIAL) (POTENTIAL) OPIASHIC (POLICY SIMILARITY (POTENTIAL). (POTENTIAL) POTENTIAL) .

Query Match
2.5%; Score 9; DB 1; Length 401;
Best Local Similarity 100.0%; Pred. No. 4.77-05;
Matches 9; Conservative 0; Mismatches 0; Indels OTENTIAL. 6786FD94 CRC32; 12 12 PO 34 34 PO 41 41 PO 49 49 PO 40 A3; 45098 MW; 0 CARBOHTD CARBOHTD CARBOHTD CARBOHTD CARBOHTD SEQUENCE

Db 333 CLMPVLYAF 341
Qy 301 CLMPVLYAF 309

"LIEB CORCO STANDARD; PRT; 353 AA.

O1467-1997 (REL. 35, LAST SECURED DEBATE)
01-807-1997 (REL. 35, LAST ANNOWATE)
01-807-1997 (REL. 35, LAST ANNOWATE)
HIGH SPRINTT INTELLUXIA-B RECEPTOR B (IL-BR B) (CACR-2) (FRAGERYT).

GORLIA CORILLA CORILLA (LOWIAND GORILLA)
GORLIA CORILLA CORILLA (LOWIAND GORILLA)
FORMATCH, PRIMATES.

COTO E., SETIEN F., GONZALEZ S., GONZALEZ-ROCES S., ANAMONOGENETICS 43:261-287(1996).
-IPONCYION: RECEPTOR TO INTERLEUXIN-8, WHICH IS A POWERPUL

Page 23

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Tue Nov 17 08:55:22 1998

Gaps

Query Match 2.5%; Score 9; DB 1; Length 398; Best Local Similarity 100.0%; Pred. No. 4.776-05; Matches 9; Conservative 0; Mismatches 0; Indels Matches 9; Conservative 0.

C -> W (IN REP. 3). C0211489 CRC32;

31 38 46 22 C C C C C 44421 MW;

(POTENTIAL).

6 (POTENTIAL).
EXTRACELUTINA (POTENTIAL).
7 (POTENTIAL).
GYTOPLASHIC (POTENTIAL).
BY SHILLAND.
PALMITATE (POTENTIAL). POTENTIAL. N -> D (IN REF. 2). V -> L (IN REF. 2). '; 3F40D610 CRC32; 9 9 PPO 12 12 PPO 40 40 PPO 48 48 PPO 51 51 N . 234 234 V V . 400 AA, 44764 MW; 3

0; Indels Query Match 2.5%; Score 9; DB 1. Length 400; Best Local Similarity 100.0%; Pred. No. 4.77-6-05; Matches 9; Conservative 0; Mismatches 0; Indela

332 CLNPVLYAF 340 ||||||||| 301 CLNPVLYAF 309

STS SCROPA (PIG). BURARTOTA: WEATLOA: CHORDATA; VERTEBRATA; TETRAPODA; MAMBALIA; ETHERII, ARTIODACTILA.

THERDICH CONTING M. BROWN D. B., METRACH M.P.;
UNIVER M.P. DESC. (WHENRAKTODE DATA BARRE M.P.):
HITZED (M.P.) 1959; TO DESC. (WHENRAKTODE DATA BARRE B. REDUCTHG CALCIUM
FUNCTION: INTELETYS WEIGHTOFTRAKELTER RELACES BY REDUCTHG CALCIUM
TON CURRENTS, AND INCREMENTS POTABILIM FOR CONDUCTANCE. RECEPTOR RESULT.

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ELLUIAR LOCATION: INTEGRAL MEMBRANE PROTEIN. BARITT: BELOIGES TO PAMILY 1 OF G-PROTEIN COUPLED RECEPTORS. BARITS: 515513057: --

G_PROTEIN_RECEPTOR; 1.
D RECEPTOR; TRANSMEMBRANE; GLYCOPROTEIN LIPOPROTEIN; PALATTATE.

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NEUTROPHILS CHEMOTACTIC FACTOR. BINDING OF IL-6 TO THE RECEPTOR CARGES ACTIVATION OF NEUTROPHILS. THES RESPONSE IS HENDLAND VIA A GENERAL THAI ACTIVATE A PROSPEATIONLEINOSITOM-CALCIUM SECOND HESSENGER SYSTEM. THES RECEPTOR BINDS TO IL-8 WITH A HIGH AFFIRITY SHOCKNOWS AND NAP-2 ALSO WITH A HIGH AFFIRITY SHOCKNOWS TO FINESPAR EXCEPTORS. FINESPAR PROTEIN. SHULLARITY: BELONGS TO FAMILY 10 PG-PROTEIN COUPLED RECEPTORS. IL. X9114; E199175.
                                                                                                                                                                                                   EXTRACELLILAR (POTENTIAL).
1 (POTENTIAL).
2 (POTENTIAL).
3 (POTENTIAL).
1 (POTENTIAL).
4 (POTENTIAL).
4 (POTENTIAL).
5 (POTENTIAL).
5 (POTENTIAL).
5 (POTENTIAL).
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8 (POTENTIAL).
8 (POTENTIAL).
8 (POTENTIAL).
8 (POTENTIAL).
8 (POTENTIAL).
8 (POTENTIAL).
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Ouery March 2.2%: Score 8: DB 1: Length 353;
Best Local Similarity 100: 0%: Pred. No. 9.08=03;
Marches 8: Conservative 0; Mismatches 0; Indels
Db 311 TAFIGOR 318

17 307 TAFIGOR 314

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Search completed: Mon Nov 16 10:35:11 1998 Job time : 32 secs.

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Tue Nov 17 08:55:23 1998
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085609 PRELIMINARY; PRT; 383 AA.
085601 (1860)
01.809-1996 (TREMEMER, 01. AST SEQUENCE UPDATE)
01.709-1996 (TREMEMER, 01. AST SEQUENCE UPDATE)
01.709-1996 (TREMEMER, 06. LAST ARNOTATION UPDATE)
01.709-1996 (TREMEMER, 06. LAST ARNOTATION UPDATE)
01.709-1990 (TREMEMER, 06. LAST ARNOTATION UPDATE)
01.709-1990 (TREMEMER, 17P2 2. CR. 2).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Owery Match 2.7%; Score 10; DB 14; Length 383; Bet Local Similarity 10; 04; Pred. No. 2.24e-07; Indels 0; Gaps Matches 0; Indels 0; Gaps
Query Match 3.0%; Score 11; DB 13; Length 185; Best Local Similarity 100.0%; Pred. No. 5.75-10; Matches 11; Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN-66/47.
ST
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10.043124

PRELIMINARY; PRT; 383 AA.

10.043124

10.1-341-1399 (TREMELREL: 05, CREATED)

10.1-341-1399 (TREMELREL: 05, IAST SEQUENCE UPDATE)

10.1-06-1399 (TREMELREL: 07, IAST ARMOTATION UPDATE)

10.1-06-1399 (TREMELREL: 07, IAST ARMOTATION UPDATE)

10.0-091011 PRESERVER.
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Tue Nov 17 08:55:23 1998
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Query Match 2.2%; Score 8; DB 13; Length 373; Best Local Similarity 100:0%; Pref. No. 1.306-02; Matches 8; Conservative 0; Mismatches 0; Indels 0;

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SÓCIBNE PROM N.A.
MINDELLE: 9806964.
LINDELL: PERGUND M.M., STARBACK P., SALANECK E., GEHLERT D.R.,
DIA, CELL BIOL. 16:1357-1363(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BRACHTDANIO RERIO (ZEBRAFISH) (ZEBRA DANIO).
EURAROTA, FERZAGA: CHOROMAN, PEREBBARI, PISCES; GRATHGGTOHAIN
SOSTELENTES, ACTINOPTERICLI, STREINFORMES.
RESULT.

O) 1713

D CONTROL OF THE CANADAMY, PRT, 317 AA.

O) 1713

D CONTROL OF CHEMBELEE. O', CREATED)

D CONTROL OF CHEMBELEE. O', CREATED)

D CONTROL OF CHEMBELEE. O', LAST SEQUENCE UPDATE)

D CONTROL OF CHEMBELEE. O', LAST SEQUENCE UPDATE)

D CONTROL OF CHEMBELEE. O', LAST SEQUENCE UPDATE)

D CONTROL OF CHEMBELEE. O', LAST SEGUENCE OF CHEMBEL.

D CONTROL OF CHEMBELE. O', LAST SEGUENCE OF CHEMBEL.

RESULTED SEGUENCE FROM N. CHEMBEL. O', SALANDER E., GEREN CHEMBEL. O', S
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SEQUENCE FROM N.A.

BARRALLO A. GORDALE-SARMIENTO R., GARCIA-MALVAR P., ROBRIGUZZ R.E.,
SUBMITTED (SEP-1997) TO ENSEA/CERBARK/DOBJ DATA BARKS.

-1. SUBCELLICHAL LOCATION: INTEGRAL MEMBRARE PROTEIN (BY SIMILARITY).
EMBI: A. JOOLSSOE, EL1217996; -1
FROSITE, PRODIZJ C, ERPORTH RECEPTOR: 1.

-PROTEIN GOUDLED RECEPTOR: TANSMEMBRARE, GLYCOPROTEIN.

SEQUENCE 373 AA: 42520 MM; E900D477 CRC32;
RESULT 6

O 1918:

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66 GLLGNILV 73 | | | | | | | | | | 51 GLLGNILV 58 à 음

ALANGYONIS COMERSONI (WHITE SICKEN). EIRANGYN, METALOA: CHORDATA: VERIEBRATA: PISCES; GNATHOSTOMATA: GSTEICHTES: ACTIONTERFOII; CYPRINIPONES.

DARLISON N. C., HANVET R. J., CRETEN P. R., KREIENKAAD H. J., EWIERS H.,
PARLISON N. C., MANYET R. J., CRETEN P. R., KREIENKAAD H. J., EWIERS H.,
SUBMITTED, ALGERSON D. BITTERIAL MERBANE PROTEIN (BY SIMILARITY).
PROSIT FROM ELISSON THREAD RECEPOR; I. S.
PRAMI: PRODUCTI C. PROTEIN RECEPOR; TRANSMEMBANE; CLYCOPROTEIN.
SEQUENCE 393 AA; 43332 MN; 008BDCED CRC32;

Query Match 2:51, Score 9; DB 11; Length 183; Best Local Statistity 100; 01; Prefet No. 6:48-05; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps

Db 326 CLMPVLYAP 334
Qy 301 CLMPVLYAP 309

RESULT 5

M. 04444

M. 044

Query Match 2.2; Score 8; DB 13; Length 368;
Best Local Similarity 100, 04; Pred No. 1.36-02;
Maches 9; Conservative 0; Miamatches 0; Indels 0; Gaps

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Page 8

Query Match 2.2%; Score 8; DB 13; Length 377; Best Local Similarity 100.0%; Pred No. 1.300-0.2; Indels 0; Caps Matches 8; Conservative 0; Mismatches 0; Caps DR EMBL; AP037400; G3098346; ... KW NEUROPEPTIDE. SQ SEQUENCE 377 AA; 42901 MW; AB1BD43A CRC32; 55 LGLLGNIL 62 |||||||| 50 LGLLGNIL 57

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| 1] | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |

Query Match
2.2%; Score 8; DB 14; Length 377;
Best Local Similarity 100.0%; Pred. No. 1.30e-02;
Marches 9; Conservative 0; Mimmarches 0; Indels 0;

302 LNPVLYAF 309 |||||||| 302 LNPVLYAF 309

PESULT 9

O46074

AC 046074

AC 046074

DT 01-070-1998 (TREMBLEEL, 06, CREATED)

DT 01-070-1998 (TREMBLEEL, 06, LAST ANNOTATION UPDATE)

DT 01-070-1998 (TREMBLEEL, 06, LAST ANNOTATION UPDATE)

COSTID 0088

CREATED 0088

CREATED 0089

CREATE

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THE 14.2 SEQUENCE FROM N.A.

RA WILLSON R. ALISCOOR R., ANDERSON K., BAYNES C., BERKS M., BONYIELD J.,

RA WILLSON R., ALISCOOR R., ANDERSON K., TOTON L., COLLON A., CRAXYON H.,

RA RIMS S., TO S., DUDENI R., PAYALLO A., PUTON L., ALADREM A., GERRY P.,

RA RIMS S., TO S., DUDENI R., PAYALLO A., PUTON L., ALADREM A.,

RA RIMS S., TO S., LALER B., LALER B., LALEN R., LADOR C.,

RA RIMS S., LANDER B., ANDERSON R., ANDERSON R., ANDERSON R.,

RA RITKEN L., BANDERS P., ANDERSON R., WATSON A., WEINSTOCK L.,

RA WILLESON SERVAT A., WANILDAM P.,

REMBL., $3.5683, $4.067026; -.,

SEQUENCE 102 AA, 111554 HM, 4992EPPC CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 199, Score 7, DB 10, Length 69; Best Local Similarity 100.09; Pred. No. 1.64-00; Indels 0; Caps Matches 7; Conservative 0; Mismatches 0; Indels 0; Caps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19%; Score 7; DB 2; Length 66; Best Local Similarity 100.0%; Pred No. 1.64-00; The Macches 7; Conservative 0; Mismatches 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PYROCOCCUS HORIKOSHII.
ARCHAEA, EURIARCHAEOTA, THERMOCOCCALES, THERMOCOCCACEAE; PYROCOCCUS.
                                                                                                                                                      01-ADC-1989 (TREGALEE: 07, CREATED)
01-ADC-1989 (TREGALEE: 07, LAST SEQUENCE UPDATE)
01-ADC-1989 (TREGALEE: 07, LAST ANNOTATION UPDATE)
METHILOCOCCUS CAPSULATUS.
METHILOCOCCACCUS CAPSULATUS.
METHILOCOCCACCAE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAINBAINS I, SAWADA M., HORILAMA H., BLIKANA Y., HINO Y.,
YAMARANYO S., SERVER M., BARA S., KOSCHOTH, HOSCHOMA A., MUGALY
SARAY M., COUGHRA R., WAKAZAWA H., TRANATIA M., ORFFUR
FURMASHIEL T., TAKAKATY M., TORFUR
FURMASHIEL T., TAKAKATY M., TORFUR
SUBMITTED (DEC-1997) TO EBEL/CENBANKYDEB J. MARKS
SERVINGE (DEC-1997) TO EBEL/CENBANKYDEB DATA BANKS.
SEQUENCE 108 AM; 12115 NM; 959941BA CRC32;
            US-08-887-977-10.rspt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-887-977-10.rspt
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GOSSFILM HISGTUM (UPLAND COTTON).
BURARTORA: PLANTA: BEBRYOPHITA; ANGIOSPERMAE; DICOTTLEDONEAE;
MAUMLES: MALWACEME.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Opery Match 1.9%; Score 7; DB 5; Length 102; Best Local 5; Langth 100; Pred, No. 1.64e-00; No. 1.64e-00; Afamatches 0; Indels Most Local 5; Conservative 0; Mismatches 0; Indels Most Local 5; Conservative 0; Mismatches 0; Indels Mismatches 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 15

OCS4813

DG 1054813

FOR 1058181

DT 00581813

DT 11-MC-1998 (TREMBLEEL 0), CREATED)

DT 01-MC-1998 (TREMBLEEL 0), LAST SEQUENCE UPDATE)

DT 01-MC-1998 (TREMBLEEL 0), LAST SEQUENCE UPDATE)

DT 01-MC-1998 (TREMBLEEL O), LAST SEQUENCE OF SECOND SECON
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
STAILS-RIAT, ANCOSJOOS,
TIPPELT A., JAHNE L., PORALLA K.;
TIPPELT A., JAHNE L., PORALLA K.;
ENDICHNE, HOPPERS, A.M. 1391-223-232(1998).
ENDL, YOSFOR, ESOSSI4;
SEQUENCE 66 AA; 7338 MM; BCLAEOAF CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Db 71 IIAVEV 77
| | | | | | | |
Qy 247 IIAVEV 253
                  Tue Nov 17 08:55:23 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9 LHITOLI 15
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15 LHITQLI 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               52 GLSVIIS 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tue Nov 17 08:55:23 1998
                  Page 9
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SEQUENCE FROM N.A.
STRAINS-VES.
DECERT G., WARREN P.V., GAASTERLAND T., TOUNG N.G., LEROX A.L.,
DECERT G., WARREN P. W., GAASTERLAND T., TOUNG N.G., LEROX A.L.,
FELDANN D.E., OVERBERT R. N. SURJA N.A., NELLER M., AUNAT M., HUBER R.,
FELDANN R.A., SHORT J.M., OLGON G.J., SANNSON R.V.,
FELDANN R.A., SHORT J.M., OLGON G.J., SANNSON R.V.,
FELDANN R.A., SHORT J.M., SHORT, SHORT, SHOUND DATA BANKS.

FROW. LACORDON R.A., 10464 MM; 3E1626DC CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEGUENCE FROM N.A.
STRAIM-VECTOR G., LENOX A.L.,
GRAHAM D.E., OVERBEER R., SNEAD M.A., KELLER M., AUGN M., HUBER R.,
MATURE 192:353-358(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 14

10 021833 PRELIMINARY; PRT; 102 AA.

AC 021833 PRELIMINARY; PRT; 102 AA.

10 1804-1996 (TERBELEEL. 01, CREATED)

DT 01-1804-1996 (TERBELEEL. 01, LAST SEQUENCE UPDATE)

DF 01-1804-1996 (TERBELEEL. 02, LAST SEQUENCE UPDATE)

DF 01-1804-1996 (TERBELEEL. 03, LAST SEQUENCE UPDATE
      US-08-887-977-10.xspt
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Best Local Smilarity 100:04: Pred. No. 1.66+09;
Matches 7: Conservative 0: Hamatches 0: Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 2.2%: Score 8: DB 5; Length 3345; Best Local Smilarity 100:0%: Pred. No. 130e-02. Heaches 8: Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-887-977-10.zspt
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RN [1]
RN [1]
RN [1]
RN EXCENCE FROM N.A.
RN MODERIC L., MARNES D., BARRELL B.;
SUBMITTED (195-1391) TO EMBL/GENBANK/DDBJ DATA BANKS.
RN [2]
RN EXPORTER FROM N.A.
RN ENDALTER FROM N.A.
RA BENGS P.;
CHANGE 1989 TO EMBL/GENBANK/DDBJ DATA BANKS.
DR BELL, ALLOS [195] E1246565; E. L.
SEQUENCE 3145 AA: 357761 WH; DIDB76D2 CRC32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         66 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRELIMINARY;
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| |||||||
Qy 246 VIIAVVL 252
Tue Nov 17 08:55:23 1998
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